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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 07:58:52 ; Search time 181.45 Seconds

(without alignments)
6353.067 Million cell updates/sec

Title: US-09-825-682a-56
Perfect score: 873

Sequence: 1 ctccagcagatctgcact.....tcaaaaaaaaaaaaaaaaaa 873

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapept 1.0

Searched: 828747 seqs, 660231138 residues

Total number of hits satisfying chosen parameters: 1657494

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 100 summaries

Database :

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14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	862	98.7	1610	10 US-09-827-948-1	Sequence 1, Appl1
2	843	96.6	1527	10 US-09-822-8304-95	Sequence 95, Appl1
3	825.2	94.5	1544	9 US-10-097-340-301	Sequence 301, App
4	825.2	94.5	1544	10 US-09-880-107-3429	Sequence 3429, App
5	797.2	91.3	1558	9 US-10-097-340-303	Sequence 303, App
6	758.2	86.8	1649	10 US-09-925-301-424	Sequence 424, App
7	613.4	70.3	638	9 US-10-066-543-178	Sequence 178, App
8	572.4	65.6	586	9 US-10-066-543-1767	Sequence 1767, App
9	488.4	55.9	502	9 US-10-060-036-1731	Sequence 1731, App
10	457	52.3	469	9 US-10-066-543-1448	Sequence 1448, App
11	451.4	51.7	477	9 US-10-066-543-3358	Sequence 3358, App
12	441	50.5	453	9 US-10-066-543-2086	Sequence 2086, App
13	416	47.7	439	9 US-10-066-543-1692	Sequence 1692, App
14	316.4	36.2	320	9 US-10-076-622-293	Sequence 293, App
15	316.4	36.2	320	10 US-09-604-287A-293	Sequence 293, App
16	316.4	36.2	320	10 US-09-339-338-293	Sequence 293, App
17	316.4	36.2	320	12 US-10-007-805-293	Sequence 293, App
18	312.2	35.8	331	10 US-09-969-708-166	Sequence 166, App
19	312.2	35.8	331	10 US-09-880-107-2048	Sequence 2048, App

20	288.4	33.0	320	10 US-09-867-701-530	Sequence 530, App
21	282.4	32.3	287	10 US-09-827-948-13	Sequence 13, Appl1
22	273	31.3	285	10 US-09-815-343-32	Sequence 32, Appl1
23	262	30.0	286	10 US-09-815-343-703	Sequence 703, App
24	260	29.8	273	10 US-09-827-948-14	Sequence 14, Appl1
25	253.8	29.1	287	10 US-09-815-343-1323	Sequence 1323, App
26	250	28.6	256	10 US-09-827-948-15	Sequence 15, Appl1
27	238.4	27.3	241	9 US-10-076-622-376	Sequence 376, App
28	238.4	27.3	241	10 US-09-604-287A-376	Sequence 376, App
29	238.4	27.3	241	12 US-10-007-805-376	Sequence 376, App
30	226.4	25.9	287	10 US-09-815-343-1258	Sequence 1258, App
31	188	21.5	201	10 US-09-827-948-17	Sequence 17, Appl1
32	186.2	21.3	396	9 US-09-970-966-18	Sequence 18, Appl1
33	186.2	21.3	396	10 US-09-825-294-18	Sequence 18, Appl1
34	167.4	19.2	276	9 US-09-907-969-169	Sequence 169, App
35	167.4	19.2	276	10 US-09-884-441-169	Sequence 169, App
36	167	19.1	207	9 US-09-907-969-356	Sequence 356, App
37	167	19.1	207	10 US-09-884-441-356	Sequence 356, App
38	167	19.1	224	10 US-09-815-343-1343	Sequence 1343, App
39	167	19.1	234	10 US-09-815-343-1063	Sequence 1063, App
40	167	19.1	234	10 US-09-815-343-1129	Sequence 1129, App
41	167	19.1	234	10 US-09-815-343-1391	Sequence 1391, App
42	167	19.1	371	9 US-09-907-969-365	Sequence 365, App
43	167	19.1	371	10 US-09-884-441-365	Sequence 365, App
44	165.4	18.9	234	10 US-09-815-343-1190	Sequence 1190, App
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46	165.4	18.9	276	10 US-09-884-441-168	Sequence 168, App
47	150.6	17.3	302	10 US-09-815-343-991	Sequence 991, App
48	146.8	16.8	199	9 US-10-076-622-125	Sequence 125, App
49	146.8	16.8	199	10 US-09-604-287A-125	Sequence 125, App
50	146.8	16.8	199	10 US-09-339-338-125	Sequence 125, App
51	146.8	16.8	199	12 US-10-007-805-125	Sequence 125, App
52	99.8	11.4	396	9 US-09-970-966-75	Sequence 75, Appl1
53	99.8	11.4	396	10 US-09-825-294-75	Sequence 75, Appl1
54	95.4	10.1	425	10 US-09-960-352-6197	Sequence 6197, App
55	95.4	10.1	369	10 US-09-960-352-12098	Sequence 12098, App
56	93.8	10.7	429	10 US-09-960-352-1590	Sequence 1590, App
57	83	9.5	165	9 US-10-060-036-1404	Sequence 1404, App
58	83	9.5	282	9 US-09-232-880-15	Sequence 15, Appl1
59	72.8	8.3	783	9 US-10-012-896-15	Sequence 15, Appl1
60	72.8	8.3	783	9 US-09-995-793-15	Sequence 15, Appl1
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62	72.8	8.3	783	10 US-10-010-940-15	Sequence 15, Appl1
63	72.8	8.3	783	10 US-09-759-143-15	Sequence 15, Appl1
64	72.8	8.3	783	10 US-09-780-669-15	Sequence 15, Appl1
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67	72.8	8.3	783	10 US-09-115-453-15	Sequence 15, Appl1
68	72.8	8.3	1542	10 US-09-765-449-8	Sequence 8, Appl1
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73	71.4	8.2	2482	9 US-10-245-851-9	Sequence 9, Appl1
74	71.4	8.2	2482	9 US-10-238-283-9	Sequence 9, Appl1
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76	71.4	8.2	2482	9 US-10-238-183-9	Sequence 9, Appl1
77	71.4	8.2	2482	9 US-10-245-055-9	Sequence 9, Appl1
78	71.4	8.2	2482	9 US-10-245-147-9	Sequence 9, Appl1
79	71.4	8.2	2482	9 US-10-245-730-9	Sequence 9, Appl1
80	71.4	8.2	2482	9 US-10-245-739-9	Sequence 9, Appl1
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86	71.4	8.2	2482	9 US-10-245-621-9	Sequence 9, Appl1
87	71.4	8.2	2482	9 US-10-245-880-9	Sequence 9, Appl1
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91	71.4	8.2	2482		
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93 71.4 8.2 2482 9 US-10-245-427-9 Sequence 9, Appli
94 71.4 8.2 2482 9 US-10-245-473-9 Sequence 9, Appli
95 71.4 8.2 2482 9 US-10-245-770-9 Sequence 9, Appli
96 71.4 8.2 2482 9 US-10-245-877-9 Sequence 9, Appli
97 71.4 8.2 2482 9 US-10-246-976-9 Sequence 9, Appli
98 71.4 8.2 2482 9 US-10-243-320-9 Sequence 9, Appli
99 71.4 8.2 2482 10 US-09-742-201-1 Sequence 1, Appli
c 100 68.2 7.8 277 10 US-09-960-352-8788 Sequence 8788, Ap

ALIGNMENTS

US-09-827-948-1
; Sequence 1, Application US/09827948
; Patent No. US20010029034A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner, L.
; APPLICANT: Hsu, Tsu-An
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
; FILE REFERENCE: 1488,1290002
; CURRENT APPLICATION NUMBER: US/09/827,948
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 09/013,896
; PRIOR FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 1610
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (361)..(1116)
; NAME/KEY: s19-peptide
; LOCATION: (361)..(439)
; NAME/KEY: mat peptide
; LOCATION: (442)..(1116)
US-09-827-948-1

Query Match 98.7%; Score 862; DB 10; Length 1610;
Best Local Similarity 99.9%; Pred. No. 8e-222;
Matches 873; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 CTCACGACATATGTTCAACTATGAAATACGACCGCCCAAGCAGTACTGGGCTTG 60
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QY 61 CCGTGCATCTCCACCGCTGACTTTCACTGAGAGCACTCCGCAATPACTTCAT 120
DB 786 CCGTGCATCTCCACCGCTGACTTTCACTGAGAGCACTCCGCAATPACTTCAT 845
QY 121 CTATGAGAGCTGCCGGGCAATAAGAACAGTACCGCTCTGAGGAGCCTGATGCTCG 180
DB 846 CTATGAGAGCTGCCGGGCAATAAGAACAGTACCGCTCTGAGGAGCCTGATGCTCG 905
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QY 241 GGGGCTGTGCGATGAGTTCATCTCTCTGGGAGCCATGATGCTACTGATTCG 300
DB 966 GGGGCTGTGCGATGAGTTCATCTCTCTGGGAGCCATGATGCTACTGATTCG 1025
QY 301 GGTGGACAG 360
DB 1026 GGTGGACAG 1085
QY 361 GGAGCAGCTGGTGAAGAACATATGCTGTGACCGCCCTGTGCCAAGAGACT-666 419
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DB 1086 GGAGCAGCTGGTGAAGAACATATGCTGTGACCGCCCTGTGCCAAGAGAGACTGGGG 1145
QY 420 AAGGAGGAGGAGACTATGTGTGAGCTTTTAAATAGAGGATGACTCGGATTTGAGT 479
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QY 480 GATCATATAGGCTAGAGTCTGTTCTCTGAGAGAGTGAAGAGGCTGCTTCTGCTGCA 539
DB 1206 GATCATATAGGCTAGAGTCTGTTCTCTGAGAGAGTGAAGAGGCTGCTTCTGCTGCA 1265
QY 540 GGGATGCGTTTGGCTTTTGAATCCCTAGAGAGCGCTCCGAGATGAGCTGG 599
DB 1266 GGGATGCGTTTGGCTTTTGAATCCCTAGAGAGCGCTCCGAGATGAGCTGG 1325
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QY 780 AAGAGAGAGAGTAAATGACAGTAAATGAGAGAGAGAGAGAGAGAGAGAGAGAG 839
DB 1506 AAGAGAGAGAGTAAATGACAGTAAATGAGAGAGAGAGAGAGAGAGAGAGAGAG 1565
QY 840 TTACAGATGCTGTTTCAAAAAA 873
DB 1566 TTACAGATGCTGTTTCAAAAAA 1599

RESULT 2
US-09-822-830A-95
; Sequence 95, Application US/09822830A
; Patent No. US20020142952A1
; GENERAL INFORMATION:
; APPLICANT: Genetics Institute, Inc.
; APPLICANT: Mong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Feuchel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakari
; APPLICANT: Graham, James R.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6402
; CURRENT APPLICATION NUMBER: US/09/822,830A
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,604
; NUMBER OF SEQ ID NOS: 631
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 95
; LENGTH: 1527
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-830A-95

Query Match 96.6%; Score 843; DB 10; Length 1527;
Best Local Similarity 99.9%; Pred. No. 1e-216;
Matches 854; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 CTCACGATATGTTCAACTATGAAATACGACCGCCCAAGCAGTACTGGGCTTG 60
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				Gaps 3
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Db	666	CTCCAGGAGATTTTCAACTATGAAGATCTCACCGCCACAGAGTCACTGGGCTTG	725	
QY	61	CCGTGCATCCTTCCACGCTGTGTACTTGAAGTGGAGAGAACTCTGCATTAATTCAT	120	
Db	726	CCGTGCATCCTTCCACGCTGTGTACTTGAAGTGGAGAGAACTCTGCATTAATTCAT	785	
QY	121	CTATGAGAGGCTCGCGGGCCAAATAGAAGACACTTCAGCCCTGTGGAGAGGCTCGATGCTCGG	180	
Db	786	CTATGAGAGGCTCGCGGGCCAAATAGAAGACACTTCAGCCCTGTGGAGAGGCTCGATGCTCGG	845	
QY	181	CTGCTTCGCGCAGAGAGAAATCCCTCCCTTGGCCCTTGGCTCAAGAGTGCTGTGTC	240	

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1 RESULT 5
2 US-10-097-340-303
3 : Sequence 303, Application US/10097340
4 : Publication No. US20030087250A1
5 : GENERAL INFORMATION:
6 : APPLICANT: John MONAHAN
7 : APPLICANT: Manjula GANNAVARAPU
8 : APPLICANT: Sebastian HOESCH
9 : APPLICANT: Shubhangi KAMATKAR
10 : APPLICANT: Steve G. KOVATIS
11 : APPLICANT: Rachel E. MEYERS
12 : APPLICANT: Michael MORRISSEY
13 : APPLICANT: Peter OLANDT
14 : APPLICANT: Ami SEN
15 : APPLICANT: Peter VEIBY
16 : APPLICANT: Gordon B. MILLS
17 : APPLICANT: Robert C. BAST, JR.
18 : APPLICANT: Karen LU
19 : APPLICANT: Rosemarie SCHMANDT
20 : APPLICANT: Xumei ZHAO
21 : APPLICANT: Karen GLATT
22 : TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification
23 : TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
24 : FILE REFERENCE: MRI-030
25 : CURRENT APPLICATION NUMBER: US/10/097, 340

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; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 303
; LENGTH: 1558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1558)
; OTHER INFORMATION: n = A,T,C or G
US-10-097-340-303

Query Match 91.3%; Score 797.2; DB 9; Length 1558;
Best Local Similarity 95.5%; Pred. No. 2.2e-204;
Matches 823; Conservative 16; Mismatches 16; Indels 7; Gaps 2;

QY 1 CTCACGACATATGTTCAATATGAAATATGCAACCCCAACCCATCATCGGCGCTTG 60
DB 526 CTCACGACATATGTTCAATATGAAATATGCAACCCCAACCCATCATCGGCGCTTG 585
QY 61 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGACCTCGCATTAATCTCAT 120
DB 586 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGACCTCGCATTAATCTCAT 645
QY 121 CTATGAGAGCTGCGGGGCAATAGAACAGTACCGCTCTGAGAGGCTGATGCTCG 180
DB 646 CTATGAGAGCTGCGGGGCAATAGAACAGTACCGCTCTGAGAGGCTGATGCTCG 705
QY 181 CTGCTTCCGCCAGAGAGAAATCCCTCCCTGCGCTTGGCTCAAGAGTGTCTGTGCG 240
DB 706 CTGCTTCCGCCAGAGAGAAATCCCTCCCTGCGCTTGGCTCAAGAGTGTCTGTGCG 765
QY 241 GGGGCTGTGCTGATGCTGTGATCTCTTCTGGAGAGCTCCATGCTACTGATCGG 300
DB 766 GGGGCTGTGCTGATGCTGTGATCTCTTCTGGAGAGCTCCATGCTACTGATCGG 825
QY 301 GGTGGCAGCGAGAAACAGAGAGCGTCCCTGCGCAACCGTCTGAGCTCGGAGATGACA 360
DB 826 GGTGGCAGCGAGAAACAGAGAGCGTCCCTGCGCAACCGTCTGAGCTCGGAGATGACA 885
QY 361 GAGAGAGCTGGGGAAGAACATATGCTGAGAGCGGCTGTGGCAAGAGAGACT-66G 419
DB 886 GAGAGAGCTGGGGAAGAACATATGCTGAGAGCGGCTGTGGCAAGAGAGACT-66G 945
QY 420 AAGGAGGAGAGACTATGTGAGCTTTTAAATAGAGGATGATGAGATTGAGT 479
DB 946 AAGGAGGAGAGACTATGTGAGCTTTTAAATAGAGGATGATGAGATTGAGT 1005
QY 480 GATCATTTAGGCTGAGCTGTGTTCTCTGAGAGAGAGAGCGCTGCTCTGAGCA 539
DB 1006 GATCATTTAGGCTGAGCTGTGTTCTCTGAGAGAGAGAGCGCTGCTCTGAGCA 1065
QY 540 GGGATGGTTTCTTGGAAATCTCTAGAGAGCGCTCTGAGAGAGCGCTGAGCA 599
DB 1066 GGGATGGTTTCTTGGAAATCTCTAGAGAGCGCTCTGAGAGAGCGCTGAGCA 1125
QY 600 CAGCAGCCCGAGATTGTTCTCGCTGATGATTTCTTCCAGAGTAGATTCTTT 659

DB 1126 CAGCAGCCCGAGATTGTTCTCGCTGATGATTTCTTCCAGAGTAGATTCTTT 1185
QY 660 GGTATGTTGATTCATTCATGCTCTTCTCTCAACAGAGAGATGTTGAACTGTTCT 719
DB 1186 GGTATGTTGATTCATTCATGCTCTTCTCTCAACAGAGAGATGTTGAACTGTTCT 1245
QY 720 TTTGTTTGTGATTTAGTTTATGTTTAAACAAAGTTTATTTAGCATCTTG 779
DB 1246 TTTGTTTGTGATTTAGTTTATGTTTAAACAAAGTTTATTTAGCATCTTG 1305
QY 780 AAGAGAGAACTAAATGTA-----CAAGTTTAATAAAGAGCGCTTCCCTTTTACA 833
DB 1306 AAGAGAGAACTAAATGTAACCTTCGCGGNNNGAGACGCTGAGACCTTCCGHTTARA 1365
QY 834 ATTAATTTAGCATGCTGTTTC 855
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RESULT 6
US-09-925-301-424
; Sequence 424, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 424
; LENGTH: 1649
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-301-424

Query Match 86.8%; Score 758.2; DB 10; Length 1649;
Best Local Similarity 95.6%; Pred. No. 7.3e-194;
Matches 833; Conservative 0; Mismatches 33; Indels 5; Gaps 5;

QY 1 CTCACGACATATGTTCAATATGAAATATGCAACCCCAACCCATCATCGGCGCTTG 60
DB 784 CTCACGACATATGTTCAATATGAAATATGCAACCCCAACCCATCATCGGCGCTTG 843
QY 61 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGACCTCGCATTAATCTCAT 120
DB 844 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGACCTCGCATTAATCTCAT 903
QY 121 CTATGAGAGCTGCGGGGCAATAGAACAGCTACCGCTCTGAGAGGCGCTGATGCTCG 180
DB 944 CTATGAGAGCTGCGGGGCAATAGAACAGCTACCGCTCTGAGAGGCGCTGATGCTCG 963
QY 181 CTGCTTCCGCCAGAGAGAAATCCCTCCCTGCGCTTGGCTCAAGAGTGTGTTGCG 240
DB 964 CTGCTTCCGCCAGAGAGAAATCCCTCCCTGCGCTTGGCTCAAGAGTGTGTTGCG 1023
QY 241 GGGGCTGTGCTGATGCTGTGATCTCTTCTGGAGAGCTCCATGCTACTGATCGG 300
DB 1024 GGGGCTGTGCTGATGCTGTGATCTCTTCTGGAGAGCTCCATGCTACTGATCGG 1083
QY 301 GGTGGCAGCGAGAAACAGAGAGCGTCCCTGCGCAACCGTCTGAGAGCTCGGAGATGACA 360
DB 1084 GGTGGCAGCGAGAAACAGAGAGCGTCCCTGCGCAACCGTCTGAGAGCTCGGAGATGACA 1143
QY 361 GGAGCAGCTGTGTAAGAACATATGCTGTGATGAGAGCGGCTTGGCAAGAGAGACTGGA 420
DB 1144 GGAGCAGCTGTGTAAGAACATATGCTGTGATGAGAGCGGCTTGGCAAGAGAGACTGGA 1202

```
QY 421 AGGAGGGGAGACTATGATGAGCTTTTAAATAGAGGATGACTCGATTTGAGTG 480
    ||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1203 AAGGAGAGGAGACATGtGTGA-CTTTTAAATAGAGGATTAAGTATGAGTGT 1261
QY 481 ATCATTAAGGCTGAGGTGCTGTTCTCGAGAGGTAGAGAGCTGCTGCTGCTG 540
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1262 ATCATTAAGGCTGAGGTGCTGTTCTCGAGAGGTAGAGAGCTGCTGCTG 1321
QY 541 GCATGGTTTCTTTGGAATCTCTAGAGGCTCTCTGCGAATGCGCTGAGTCTG 600
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1322 CGATGGTTTCTTTGGAATCTCTAGAGGCTCTCTGCGAATGCGCTGAGTCTG 1381
QY 601 AGCAGCCCGAGTTGTTCTCGGATCGATTTCTTCTCGATGAGTATTTCTG 660
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1382 AGCAGCCCGAGTTGTTCTCGGATCGATTTCTTCTCGATGAGTATTTCTG 1440
QY 661 CTATCTTGAATTCATTCCTCTTCTCATCAGAGAGTATGTAATGCTTCT 720
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1441 CTATCTTGAATTCATTCCTCTTCTCATCAGAGAGTATGTAATGCTTCT 1499
QY 721 TTGTTGCTGATTTAGTCTTTTAAATAGAGGATTTTAAATGAGTCTG 780
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1500 TTGTTGCTGATTTAGTCTTTTAAATAGAGGATTTTAAATGAGTCTG 1559
QY 781 AAGAGGAAGTAAATGCTTCTCATCAGAGAGTATGTAATGCTTCT 840
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1560 AAGAGGAAGTAAATGCTTCTCATCAGAGAGTATGTAATGCTTCT 1618
QY 841 TCAGCATGCTCTTCAAAAAA 871
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1619 AAAAAA 1649

RESULT 7
US-10-066-543-178/c
: Sequence 178, Application US/10066543
: Publication No. US2003087818A1
: GENERAL INFORMATION:
: APPLICANT: Jiang, Yugu
: APPLICANT: Pyle, Ruth A.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Indrias, Carol Yoseph
: APPLICANT: Lodes, Michael J.
: APPLICANT: Secrist, Heather
: APPLICANT: Carter, Darick
: APPLICANT: Fanger, Gary R.
: APPLICANT: Smith, Carole L.
: APPLICANT: Durham, Margarita
: APPLICANT: Stolk, John A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.563
: CURRENT APPLICATION NUMBER: US/10/066,543
: CURRENT FILING DATE: 2002-01-31
: NUMBER OF SEQ ID NOS: 3417
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 178
: LENGTH: 638
: TYPE: DNA
: ORGANISM: Homo sapiens
US-10-066-543-178

Query Match 70.3%; Score 613.4; DB 9; Length 638;
Best Local Similarity 99.5%; Pred. No. 4e-155;
Matches 636; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
```

```
QY 282 CCATGCTTACATGATCGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 341
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 518 CCATGCTTACATGATCGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 459
QY 342 GGAGCTCCGAGATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 401
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 458 GGAGCTCCGAGATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 399
QY 402 GTCCCAAGAGGAGT-GGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 460
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 398 GTCCCAAGAGGAGTGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 339
QY 461 GATTGACTCGGATTTAGATGATCATTAGGAGGAGGAGGAGGAGGAGGAGGAG 520
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 338 GATTGACTCGGATTTAGATGATCATTAGGAGGAGGAGGAGGAGGAGGAGGAG 279
QY 521 GCTGCTTCGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 580
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 278 GCTGCTTCGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 219
QY 581 GCGATGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 640
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 218 GCGATGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 159
QY 641 TCGAGTAGAGTTCTGCTTATGATGATGATGATGATGATGATGATGATGATGAT 700
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 158 TCGAGTAGAGTTCTGCTTATGATGATGATGATGATGATGATGATGATGATGAT 99
QY 701 TGATGTTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 760
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 98 TGATGTTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 39

RESULT 8
US-10-066-543-1767
: Sequence 1767, Application US/10066543
: Publication No. US2003087818A1
: GENERAL INFORMATION:
: APPLICANT: Jiang, Yugu
: APPLICANT: Pyle, Ruth A.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Indrias, Carol Yoseph
: APPLICANT: Lodes, Michael J.
: APPLICANT: Secrist, Heather
: APPLICANT: Carter, Darick
: APPLICANT: Fanger, Gary R.
: APPLICANT: Smith, Carole L.
: APPLICANT: Durham, Margarita
: APPLICANT: Stolk, John A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.563
: CURRENT APPLICATION NUMBER: US/10/066,543
: CURRENT FILING DATE: 2002-01-31
: NUMBER OF SEQ ID NOS: 3417
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1767
: LENGTH: 586
: TYPE: DNA
: ORGANISM: Homo sapiens
US-10-066-543-1767

Query Match 65.6%; Score 572.4; DB 9; Length 586;
Best Local Similarity 99.7%; Pred. No. 4.2e-144;
Matches 584; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
```

Db 1 ACTTTGAGGTGAGAGAACTCTTGCACTTATCTATGAGAGCTGCCGGCAATA 60
QY 144 ACAACAGCTACCCCTCTGAGAGAGCTTGCACTGCGCTCTCCGCCACAGAGATC 203
Db 61 ACAACAGCTACCCCTCTGAGAGAGCTTGCACTGCGCTCTCCGCCACAGAGATC 120
QY 204 CTCCCTGCGCCCTTGCTGCAAGGTGGGTCTGGGGGGCTGTTGATGGGTGA 263
Db 121 CTCCCTGCGCCCTTGCTGCAAGGTGGGTCTGGGGGGCTGTTGATGGGTGA 180
QY 264 TCCCTTCTGCGAGCTCCATGCTCTATCTGATCCGGTGGCAGCGAGAAACAGAGAC 323
Db 181 TCCCTTCTGCGAGCTCCATGCTCTATCTGATCCGGTGGCAGCGAGAAACAGAGAGC 240
QY 324 GTCCCTGCGAGCTCCATGCTCTGAGATCCGAGATGACAGAGAGCTGTGAAGAACAT 383
Db 241 GTCCCTGCGAGCTCCATGCTCTGAGATCCGAGATGACAGAGAGCTGTGAAGAACAT 300
QY 384 ATGCTCTGTACCGCTCTGTGCTGCAAGAGACT-GGAGAGAGAGAGAGAGATGTGA 442
Db 301 ATGCTCTGTACCGCTCTGTGCTGCAAGAGACTGGAGAGAGAGAGAGAGATGTGA 360
QY 443 GCTTTTAAATAGAGAGATGACTGCAATTTAGTATGATCATTAGAGCTGAGTCTGT 502
Db 361 GCTTTTAAATAGAGAGATGACTGCAATTTAGTATGATCATTAGAGCTGAGTCTGT 420
QY 503 TCTGAGAGAGTAGAGAGCTGCTTCTGCTGCTGAGAGAGAGATGGTTCTTGGAAATC 562
Db 421 TCTGAGAGAGTAGAGAGCTGCTTCTGCTGCTGAGAGAGAGATGGTTCTTGGAAATC 480
QY 563 CTCTAGAGAGCTCTCTCTGCTGATGCTGCTGATCTGAGAGAGAGAGAGAGAGTCTCTC 622
Db 481 CTCTAGAGAGCTCTCTCTGCTGATGCTGCTGATCTGAGAGAGAGAGAGAGAGTCTCTC 540
QY 623 GCTGAGAGATTTCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 668
Db 541 GCTGAGAGATTTCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 586

RESULT 9
US-10-060-036-1731
? Sequence 1731, Application US/10060046
? Publication No. US20030073144A1
? GENERAL INFORMATION:
? APPLICANT: Benson, Darin R.
? APPLICANT: Kalos, Michael D.
? APPLICANT: Lodes, Michael J.
? APPLICANT: Herzig, David H.
? APPLICANT: Hepler, William T.
? APPLICANT: Jiang, Yugu
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
? FILE REFERENCE: 210121.566
? CURRENT APPLICATION NUMBER: US/10/060.036
? CURRENT FILING DATE: 2002-01-30
? NUMBER OF SEQ ID NOS: 4560
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 1731
? LENGTH: 502
? TYPE: DNA
? ORGANISM: Homo sapiens
US-10-060-036-1731

Query Match 55.9%; Score 488.4; DB 9; Length 502;
Best Local Similarity 99.6%; Pred. No. 1,6e-121;
Matches 500; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 233 GTTCTGCGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 292
Db 1 GTTCTGCGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60
QY 293 CTGATCCGGGTGCGAG 552

Db 61 CTGATCCGGGTGCGAG 120
QY 353 GATGACAG 412
Db 121 GATGACAG 180
QY 413 GACT-GGAG 471
Db 181 GACTGGAG 240
QY 472 ATTGAG 531
Db 241 ATTGAG 300
QY 532 GTCTGCGAG 591
Db 301 GTCTGCGAG 360
QY 592 CATCTGAG 651
Db 361 CATCTGAG 420
QY 652 TTTTCTTTGCTTATGTTGAATTCATTCCTCTTTCTCATCAGAGAGAGATGTGAA 711
Db 421 TTTTCTTTGCTTATGTTGAATTCATTCCTCTTTCTCATCAGAGAGAGATGTGAA 480
QY 712 TCGTTCTTTTGTCTGTGAT 733
Db 481 TCGTTCTTTTGTCTGTGAT 502

RESULT 10
US-10-066-543-1448
? Sequence 1448, Application US/10066543
? Publication No. US20030087818A1
? GENERAL INFORMATION:
? APPLICANT: Jiang, Yugu
? APPLICANT: Pyle, Ruth A.
? APPLICANT: Xu, Jiangchun
? APPLICANT: Indrias, Carol Joseph
? APPLICANT: Lodes, Michael J.
? APPLICANT: Secrist, Heather
? APPLICANT: Carter, Derrick
? APPLICANT: Ranney, Gary R.
? APPLICANT: Smith, Carole L.
? APPLICANT: Durham, Margerita
? APPLICANT: Stolk, John A.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
? FILE REFERENCE: 210121.563
? CURRENT APPLICATION NUMBER: US/10/066.543
? CURRENT FILING DATE: 2002-01-31
? NUMBER OF SEQ ID NOS: 3417
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 1448
? LENGTH: 469
? TYPE: DNA
? ORGANISM: Homo sapiens
US-10-066-543-1448

Query Match 52.3%; Score 457; DB 9; Length 469;
Best Local Similarity 99.8%; Pred. No. 4.4e-113;
Matches 468; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 189 GCCAGCAGAGAGATCTCCCTGCGCCCTGAGCTCAAGAGTGTGCTTGGCGAGCTGT 248
Db 1 GCCAGCAGAGAGATCTCCCTGCGCCCTGAGCTCAAGAGTGTGCTTGGCGAGCTGT 60
QY 249 TCGTATGCTGTGATCTCTCTGAGAGAGCTTCAGAGTCTACCTGAGTCCGGGTGAG 308
Db 61 TCGTATGCTGTGATCTCTCTGAGAGAGCTTCAGAGTCTACCTGAGTCCGGGTGAG 120
QY 309 GATTAATAGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 368

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Db 121 GGAGGAACCAAGACCGCTGCCCTGCCACCGTCTGGAGCTCCGAGATGACAGAGCAGC 180
Qy 369 TGGTAAGAACACATATGTCCTGTACCGCCCTGTCCGCAAGAGACT-GGGAAGGAGG 427
Db 181 TGGTAAGAACACATATGTCCTGTACCGCCCTGTCCGCAAGAGACTGGGGAAGGAGG 240
Qy 428 GGAGACTATGTGTGAGCTTTTAAATAGAGGAGTTGACCGGATTTAGATGATTA 487
Db 241 GGAGACTATGTGTGAGCTTTTAAATAGAGGAGTTGACCGGATTTAGATGATTA 300
Qy 488 GGGCTGAGTCTGTTTCTGTGAGGATGAGACCGCTTCTGCTGTGAGGAGGATGG 547
Db 301 GGGCTGAGTCTGTTTCTGTGAGGATGAGACCGCTTCTGCTGTGAGGAGGATGG 360
Qy 548 TTTCCTTTGGAATCTCTAGAGAGCTCTCTCTGCAATGCTTGACGTCTGACAGACC 607
Db 361 TTTCCTTTGGAATCTCTAGAGAGCTCTCTCTGCAATGCTTGACGTCTGACAGACC 420
Qy 608 CCGAGTTGTTCCGCTGAGGATTTCTCTCTCCAGGATGAGTTTTC 656
Db 421 CCGAGTTGTTCTCTGCTGATGAGATTTCTCTCTCCAGGATGAGTTTTC 469
```

```
RESULT 11
US-10-066-543-3358
; Sequence 3358, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3358
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 459
; OTHER INFORMATION: n = A,T,C or G
US-10-066-543-3358
```

```
Query Match 51.7%; Score 451.4; DB 9; Length 477;
Best Local Similarity 99.4%; Pred. No. 1.4e-111;
Matches 474; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
```

```
Qy 484 ATTAGGCTGAGCTCTGTTTCTCTGAGAGTAGAGGCTGCTCTGCTGAGGAGA 543
Db 181 ATTAGGCTGAGCTCTGTTTCTCTGAGAGTAGAGGCTGCTCTGCTGAGGAGA 240
Qy 544 TGGTTTCTTTGGAATCTCTAGAGAGCTCTCTCTGCAATGCTTGACGTCTGACG 603
Db 241 TGGTTTCTTTGGAATCTCTAGAGAGCTCTCTCTGCAATGCTTGACGTCTGACG 300
Qy 604 AGCCCGAGTTGTTCTCTGATGATTTCTTCCGACGATGAGTTTCTTCTGCT 663
Db 301 AGCCCGAGTTGTTCTCTGATGATTTCTTCCGACGATGAGTTTCTTCTGCT 360
Qy 664 ATGTGAATTCATTCCTCTTTTCATCAGAGATGATGATGATGATGATGATG 723
Db 361 ATGTGAATTCATTCCTCTTTTCATCAGAGATGATGATGATGATGATGATG 420
Qy 724 TTTCCTGATTTAGTTTATTTTAAATAGAGGAGTTTATTTAGATCTG 779
Db 421 TTTCCTGATTTAGTTTATTTTAAATAGAGGAGTTTATTTAGATCTG 477
```

```
RESULT 12
US-10-066-543-2086
; Sequence 2086, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2086
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2086
```

```
Query Match 50.5%; Score 441; DB 9; Length 453;
Best Local Similarity 99.8%; Pred. No. 8.8e-109;
Matches 452; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
```



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PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ. ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2048
LENGTH: 331
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 H95233
NAME/KEY: unsure
LOCATION: (1)..(331)
OTHER INFORMATION: n = a or c or g or t
US-09-880-107-2048

Query Match
Best Local Similarity 98.2%; Pred. No. 3,5e-74;
Matches 325; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 484 ATTAGGCTAGTCTGTTTCTCTGGAGAGTAGAGGCGTG-CTTCTGTCGTGCGAGGG 542
DB 331 ATTAGGCTAGGCTCGTTTCTCTGGAGAGTAGAGGCGTGCGTCTTCTGTCGTGCGAGGG 272
QY 543 ATGGATTGGTTTGGAAATCCTCAGAGAGGCTCCTCGCATGGAGCTGGAGCTGGAG 602
DB 271 ATGGCTTTCCTTGGAAATCCTCAGAGAGGCTCCTCGCATGGAGCTGGAGCTGGAG 212
QY 603 CAGCCCGAGATTGTTCTCTCGCGATAGCATGATTTCTTCTCTCCAGTAGAGTTTCTTGCT 662
DB 211 CAGCCCGAGATTGTTCTCTCGCGATAGCATGATTTCTTCTCTCCAGTAGAGTTTCTTGCT 152
QY 663 TATCTGAATTCATTCATTGCTCTCTTTCTCATCAGAGAGTAGATTTGGAATGTTCTTT 722
DB 151 TATGTGAATTCATTCATTGCTCTCTTTCTCATCAGAGAGTAGATTTGGAATGTTCTTT 92
QY 723 GTTGTCTGATTTATGCTTTTATAGATATAACAAGATTTTATAGATTCAGAA 782
DB 91 GTTGTCTGATTTATGCTTTTATAGATATAACAAGATTTTATAGATTCAGAA 32
QY 783 GAGGAAAGTAATATGTACAGATTATATAA 813
DB 31 GAGGAAAGTAATATGTACAGATTATATAA 1

RESULT 20
US-09-867-701-530
Sequence 530, Application US/09867701
Patent No. US20020132237A1
GENERAL INFORMATION:
APPLICANT: Agiate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSQ for Windows Version 4.0
SEQ ID NO 530
LENGTH: 520
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)..(320)
OTHER INFORMATION: n = A,T,C or G
US-09-867-701-530

Query Match
Best Local Similarity 99.3%; Pred. No. 8,9e-68;
Matches 300; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 533 TCATGACAGATGAGTTTCTTCAGAAATCCTTAGAGAGCTTCCTTCGATAGGCTCTCC 592

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|||||
Db      1  TCGGCGAGGAGATGGGTTTGGCTTTGGAAATCCCTAGAGAGGCTCCTCCTCGCAGAGGCTG 60
QY      593 AGTCTGGCAGACGCCCGGAGTTGTTCTCCGCGTAGATGATTTCTTTCCTCCAGTAGAGT 652
Db      61  AGTCTGGCAGAG-CCGAGTGTTCCTCCGCGTAGATGATTTCTTTCCTCCAGTAGAGT 119
QY      653 TTCTTTGCTATATGTGAATTCATTCGCTCTTTTCTATACAGAGAGTAGATGGAT 712
Db      120 TTCTTTGCTATATGTGAATTCATTCGCTCTTTTCTATACAGAGAGTAGATGGAT 179
QY      713 CGTTCTTTGTTGTTGCTGATTAATGTTTTTATAGATTAACAAAGTTTTTATAG 772
Db      180 CGTTCTTTGTTGTTGCTGATTAATGTTTTTATAGATTAACAAAGTTTTTATAG 239
QY      773 CATCTGAAGAGAGAAAGTAAATGTACAGTTTAATAAAAGGGGCTTCCCTTGA 832
Db      240 CATCTGAAGAGAGAAAGTAAATGTACAGTTTAATAAAAGGGGCTTCCCTTGA 299
QY      833 AA 834
Db      300 GA 301
```

RESULT 21

```
US-09-827-948-13
; Sequence 13, Application US/09827948
; Patent No. US20010029034A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner, L.
; APPLICANT: Hsu, Tsu-An
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
; FILE REFERENCE: 1488.1290002
; CURRENT APPLICATION NUMBER: US/09/827,948
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 09/013,896
; PRIOR FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 287
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (182)
; OTHER INFORMATION: n is A, C, T, or G
; NAME/KEY: misc.feature
; LOCATION: (193)
; OTHER INFORMATION: n is A, C, T, or G
; NAME/KEY: misc.feature
; LOCATION: (229)
; OTHER INFORMATION: n is A, C, T, or G
US-09-827-948-13
```

Query Match 32.3%; Score 282.4; DB 10; Length 287;

Best Local Similarity 98.6%; Pred. No. 3.4e-66;

Matches 283; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
QY      46  AGTCACTGGGCTTCCCGTGATCTTCCAGCGTGTGACTTTGACGTGGAGAGACTC 105
Db      1  AGTCACTGGGCTTCCCGTGATCTTCCAGCGTGTGACTTTGACGTGGAGAGACTC 60
QY      106 CTGCAATACCTCATCTATGAGAGCTGCGGGGCAATAGAAACAGCTAACGCTCTAGAGA 165
Db      61  CTGCAATACCTCATCTATGAGAGCTGCGGGGCAATAGAAACAGCTAACGCTCTAGAGA 120
QY      166 GGCGTGATGCTCCGCTCTTCCGCCAGCAGAGAAATCTCCCGCTGGCCCTTGACTCAAA 225
Db      121 GGCGTGATGCTCCGCTCTTCCGCCAGCAGAGAAATCTCCCGCTGGCCCTTGACTCAAA 180
```

```
QY      226 GGTGTGTTCTTGCGGGGCTGTTCGTGATGTTGATTCCTCTTCGGAGACCTTCAT 285
Db      181 GATGTGTGTTCTTGCGGGGCTGTTCGTGATGTTGATTCCTCTTCGGAGACCTTCAT 240
QY      286 GGTCTACTGATCCGGGTGCGACGAGAGAACGAGAGGCTCCCTGC 332
Db      241 GGTCTACTGATCCGGGTGCGACGAGAGAACGAGAGGCTCCCTGC 287
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RESULT 22

```
US-09-815-343-32/C
; Sequence 32, Application US/09815343
; Patent No. US20010055596A1
; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine
; APPLICANT: Xu, Jiangchun
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.504
; CURRENT APPLICATION NUMBER: US/09/815,343
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 285
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-815-343-32
```

Query Match 31.3%; Score 273; DB 10; Length 285;

Best Local Similarity 99.6%; Pred. No. 1.2e-63;

Matches 284; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

```
QY      168 CTTGCAATGCTCCGCTGCTTCCGCCAGCAGAGAGATCTCCCTGCGCCCTTGCTCAAAG 227
Db      285 CTTGCAATGCTCCGCTGCTTCCGCCAGCAGAGAGATCTCCCTGCGCCCTTGCTCAAAG 226
QY      228 TGTGTGTTCTGCGCGGCGCTGTTCTGATGTTGATCTCTCTCTGAGACCTTCATGG 287
Db      225 TGTGTGTTCTGCGCGGCGCTGTTCTGATGTTGATCTCTCTCTGAGACCTTCATGG 166
QY      288 TCTACTGATCCGGGTGCGACGAGAGAACGAGAGGCTCCCTGCGACGCTGAGAGCT 347
Db      165 TCTACTGATCCGGGTGCGACGAGAGAACGAGAGGCTCCCTGCGACGCTGAGAGCT 106
QY      348 CCGGAGATGACAAGAGACGCTGTGTGAAGAACACATATGCTCTGTGACCGGCTGTGCC 407
Db      105 CCGGAGATGACAAGAGAGAGAGCTGTGTGAAGAACACATATGCTCTGTGACCGGCTGTGCC 46
QY      408 AAGAGACT- GGGAGGGAGGGAGAGACTATGTGTGAGCTTTTTTT 451
Db      45  AAGAGACTGGGAGAGGGAGAGACTATGTGTGAGCTTTTTTT 1
```

RESULT 23

US-09-815-343-703

; Sequence 703, Application US/09815343

; Patent No. US20010055596A1

; GENERAL INFORMATION:

; APPLICANT: Meagher, Madeleine

; APPLICANT: Xu, Jiangchun

; APPLICANT: King, Gordon E.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER

; FILE REFERENCE: 210121.504

; CURRENT APPLICATION NUMBER: US/09/815,343

; CURRENT FILING DATE: 2001-03-22

; NUMBER OF SEQ ID NOS: 1556

; SOFTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO 703

; LENGTH: 286

; TYPE: DNA

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; ORGANISM: Homo sapien
US-09-815-343-703

Query Match
Best Local Similarity 30.0%; Score 262; DB 10; Length 286;
Matches 284; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

QY 168 CCGCATGCTCCGCTCTCCGCGGAGATCCCTCCGCGCCCTTGGCTCAAG 227
    |||||||
Db 1 CCTGATGCTCCGCTCTCTCCGCGGAGATCCCTCCGCGCCCTTGGCTCAAG 60
    |||||||

QY 228 TGTGTTCTGGCGGGGCTGTTCGTGATGTTGATCCCTTCCCTGGAGCCCTCAAG 287
    |||||||
Db 61 TGTGTTCTGGCGGGGCTGTTCGTGATGTTGATCCCTTCCCTGGAGCCCTCAAG 120
    |||||||

QY 288 TCTACCTGATCC-GGGTGGACGAGAGACAGAGAGCCCTCCGACCTGTGAGC 346
    |||||||
Db 121 TCTACCTGATCCGGGTGGACGAGAGAGACAGAGCCCTCCGACCTGTGAGC 180
    |||||||

QY 347 TCCGAGATGACAGAGAGAGAGAGATATGCTGTCGCGCCCTGTGCG 406
    |||||||
Db 181 TCCGAGATGACAGAGAGAGAGAGATATGCTGTCGCGCCCTGTGCG 240
    |||||||

QY 407 CAAGAGACT-GGGAAGGAGGAGAGACTATGTGTAGCTTTT 451
    |||||||
Db 241 CAAGAGACTGGGGAAGGAGGAGAGACTATGTGTAGCTTTT 286
    |||||||

RESULT 24
US-09-827-948-14/c
; Sequence 14, Application US/09827948
; Patent No. US20010029034A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner, L.
; APPLICANT: Hsu, Tsu-An
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
; FILE REFERENCE: 1488,1290002
; CURRENT APPLICATION NUMBER: US/09/827,948
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 09/013,896
; PRIOR FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (32)
; OTHER INFORMATION: n is A, T, C, or G
; NAME/KEY: misc_feature
; LOCATION: (58)
; OTHER INFORMATION: n is A, T, C, or G
; NAME/KEY: misc_feature
; LOCATION: (71)
; OTHER INFORMATION: n is A, T, C, or G
; NAME/KEY: misc_feature
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; OTHER INFORMATION: n is A, T, C, or G
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; LOCATION: (95)
; OTHER INFORMATION: n is A, T, C, or G
; NAME/KEY: misc_feature
; LOCATION: (103)
; OTHER INFORMATION: n is A, T, C, or G
; NAME/KEY: misc_feature
; LOCATION: (252)
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; OTHER INFORMATION: n is A, T, C, or G
US-09-827-948-14

Query Match
Best Local Similarity 29.8%; Score 260; DB 10; Length 273;
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 571 GGTCTCCCTCCGATGCGCTGAGTCCGACGACGACCCCGGATTTCTTCGCTATG 630
    |||||||
Db 273 GGTCTCCCTCCGATGCGCTGAGTCCGACGACCCCGGATTTCTTCGCTATG 214
    |||||||

QY 631 ATTCTTCCCTCCGATGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTC 690
    |||||||
Db 213 ATTCTTCCCTCCGATGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTC 154
    |||||||

QY 691 ATCAAGAGATGATGTGGAATCGTTCTTTGTTGTCTGATTTAGTGTATAGT 750
    |||||||
Db 153 ATCAAGAGATGATGTGGAATCGTTCTTTGTTGTCTGATTTAGTGTATAGT 94
    |||||||

QY 751 ATAAAGAAAGTTTATTTATGATTTGAAAGAGAAAGTAAATGATGATTAAT 810
    |||||||
Db 93 ATAAAGAAAGTTTATTTATTTATTTGAAAGAGAAAGTAAATGATGATTAAT 34
    |||||||

QY 811 AAAAGGCGCTTCCCTTTAGATATA 838
    |||||||
Db 33 AAAAGGCGCTTCCCTTTAGATATA 6
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RESULT 25
US-09-815-343-1323
; Sequence 1323, Application US/09815343
; Patent No. US20010055596A1
; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine
; APPLICANT: Xu, Jiangchun
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121,504
; CURRENT APPLICATION NUMBER: US/09/815,343
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1323
; LENGTH: 287
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(287)
; OTHER INFORMATION: n = A,T,C or G
US-09-815-343-1323

Query Match
Best Local Similarity 29.1%; Score 253.8; DB 10; Length 287;
Matches 278; Conservative 0; Mismatches 6; Indels 3; Gaps 2;

QY 168 CCGCATGCTCCGCTCTCTCCGCGGAGATCCCTCCGCGCCCTTGGCTCAAG 227
    |||||||
Db 1 CCTGATGCTCCGCTCTCTCTCCGCGGAGATCCCTCCGCGCCCTTGGCTCAAG 60
    |||||||

QY 228 TGTGTTCTGGCGGGGCTGTTCGTGATGTTGATCCCTTCCCTGGAGCCCTCAAG 287
    |||||||
Db 61 TGTGTTCTGGCGGGGCTGTTCGTGATGTTGATCCCTTCCCTGGAGCCCTCAAG 120
    |||||||

QY 288 TCTACCTGATCCGGGTGG-CAAGGAGAACAGAGAGAGAGCCCTCCGACCTGTGAG 345
    |||||||
Db 121 TCTACCTGATCCGGGTGG-CAAGGAGAACAGAGAGAGAGCCCTCCGACCTGTGAG 180
    |||||||

QY 346 CTCGAGATGACAGAGAGAGAGAGATGTTGTTGTTGTTGTTGTTGTTGTTG 405
    |||||||
Db 181 CTCGAGATGACAGAGAGAGAGAGATGTTGTTGTTGTTGTTGTTGTTGTTG 240
    |||||||
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2y 406 CCAAGGACT-GGGAAGGAGGAGACCTGTGTGAGCTTTTTT 451
 ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Pb 241 CCAANNGAGCTGGGGAAGGAGGAGACTATGTGTGAGCTTTTTT 287

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RESULT 26
US-09-827-948-15/c
? Sequence 15, Application US/09827948
? Patent No. US20010029044A1
? GENERAL INFORMATION:
? APPLICANT: Gentz, Reiner, L.
? APPLICANT: Hsu, Tsu-An
? APPLICANT: Rosen, Craig A.
? APPLICANT: Ni, Jien
? TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
? FILE REFERENCE: 1488.1290002
? CURRENT APPLICATION NUMBER: US/09/827,948
? CURRENT FILING DATE: 2001-04-06
? PRIOR APPLICATION NUMBER: US 09/013,896
? PRIOR FILING DATE: 1998-01-27
? NUMBER OF SEQ ID NOS: 31
? SOFTWARE: PatentIn version 3.0
? SEQ ID NO 15
? LENGTH: 256
? TYPE: DNA
? ORGANISM: Human
? FEATURE:
? NAME/KEY: misc.feature
? LOCATION: (203)
? OTHER INFORMATION: n is A, T, C, or G
US-09-827-948-15

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Query Match	28.68;	Score 250;	DB 10;	Length 256;
Best Local Similarity	99.68;	Pred. No. 1.7e-57;		
Matches 250;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;

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QY      588  CTTCACTGTCGAGACAGACCCCGAGCTGTTCCTCCATCAGATTCCTTCCTCAGGT 647
Db      256  CCTGCACTGTCGAGACAGACCCCGAGGTGTTCCTCCATCAGATTCCTTCCTCAGGT 197
QY      648  AGAGTTTCTCTTCTTATGTGAATTCATTGCCCTCTTTCATCAACAGATGATTT 707
Db      196  AGAGTTTCTCTTCTTATGTGAATTCATTGCCCTCTTTCATCAACAGATGATTT 137
QY      708  GGAATGCTTCTTCTTGTGTCTGATTTATGTTTTTTAGTATAACAAAGTTTTT 767
Db      136  GGAATGCTTCTTCTTGTGTCTGATTTATGTTTTTTAGTATAACAAAGTTTTT 77
QY      768  ATTGACATTCGTAACAAAGAAACGTAAATGTACAGTTATATAAAGGGCTCCGCC 827
Db      76  ATTGACATTCGTAACAAAGAAAGTAAATGTACAGTTATATAAAGGGCTCCGCC 17
QY      828  TTTAGATATAA 838
Db      16  TTTAGATATAA 6
RESULT 27
US-10-076-622-376/c
: Sequence 376, Application US/10076622
: Publication No. US2003023036A1
: GENERAL INFORMATION:
: APPLICANT: Houghton, Raymond L.
: APPLICANT: Sleath, Paul R.
: APPLICANT: Persing, David H.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.470C11
: CURRENT APPLICATION NUMBER: US/10/076.622
: CURRENT FILING DATE: 2002-02-13
: NUMBER OF SEQ ID NOS: 627
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 376

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; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-076-622-376

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Query Match	27.38;	Score 238.4;	DB 9;	length 241;
Best Local Similarity	99.68;	Pred. No. 2.2e-54;		
Matches 239; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0

QY 562 CCTCTAGAGAGGCTCTCTCGCATGCGCCCTGAGTCTGGACAGAGGCCGAGTCTTTCCT 621

Db 241 CCTCTAGAGAGGCTCTCTCGCATGCGCCCTGAGTCTGGACAGAGGCCGAGTCTTTCCT 182

QY 622 GCGTCATGCATTTCTTCTCCAGGTAGAGTTCCTTGGCTATGTGAATTCATTCATGGCC 681

Db 181 GCGTCATGCATTTCTTCTCCAGGTAGAGTTCCTTGGCTATGTGAATTCATTCATGGCC 122

QY 682 TCTTTTCTCATCACAGAAGTGAATGTGGAATCGTTTCTTTGTGTCTGAATTATAGCTT 741

Db 121 TCTTTTCTCATCACAGAAGTGAATGTGGAATCGTTTCTTTGTGTCTGAATTATAGCTT 62

QY 742 TTTTAAAGTATAAACAAGTTTCTTATTAACATCTCGAAAGAGAGAAAGTAAATATAC 801

Db 61 TTTTAAAGTATAAACAAGTTTCTTATTAACATCTCGAAAGAGAGAAAGTAAATATATAC 2

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RESULT 28
US-09-604-287A-376/C
: Sequence 376, Application US/09604287A
: Patent No. US20020064872A1
: GENERAL INFORMATION:
: APPLICANT: Jiang, Yugu
: APPLICANT: Dillon, Davin C.
: APPLICANT: Milchan, Jennifer L.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Hepler, William T.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
: FILE REFERENCE: 210121.470C7
: CURRENT APPLICATION NUMBER: US/09/604.287A
: NUMBER OF SEQ ID NOS: 489
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 376
: LENGTH: 241
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-604-287A-376

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	Query Match	27.3%	Score 238.4	DB 10:	Length 241:
	Best Local Similarity	99.6%	Pred. No. 2,2e-54:		
Matches	239:	Conservative	0:	Mismatches	1:
				Indels	0:
				Gaps	0
OY	562	CCTCTAGAGAGGCTCTCTCTCGCATGCGCTGCAGTCTGCGACAGACGCCGAGTGTCTCT	621		
Db	241	CTCTTAGAGAGGCTCTCTCTCGCATGCGCTGCAGTCTGCGACAGCCGAGTGTCTCT	182		
OY	622	CGCTATGATTTTCTTCTCTCCAGGTAAGATTTCTTGGTATGTTGAATTCATTGCC	681		
Db	181	CGCTATGATTTCTTCTCTCCAGGTAAGATTTCTTGGTATGTTGAATTCATTGCC	122		
OY	682	TCCTTTCTCATCACAGAGTATGTTGAAATCGTTCTTTGTTGTCTGATTTATGCT	741		
Db	121	TCCTTTCTCATCACAGAGTATGTTGAAATCGTTCTTTGTTGTCTGATTTATGCT	62		
OY	742	TTTTTAAGTATTAACAAAGTTTTTATTAATGACATTCTGAAGAAGAAAGTAAATGTAC	801		
Db	61	TTTTTAAGTATTAACAAAGTTTTTATTAATGACATTCTGAAGAAGAAAGTAAATGTAC	2		

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; Sequence 376, Application US/10007805
; Patent No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margalita
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 376
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-007-805-376

Query Match          27.3%; Score 238.4; DB 12; Length 241;
Best Local Similarity 99.6%; Pred. No. 2,2e-54;
Matches 239; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 562 CCTAGAGAGCTCTCTCTGTCATGCGTCAGTCTGGCAGACGCCCGAGTTGTTCT 621
DB 241 CCTAGAGAGCTCTCTCTGTCATGCGTCAGTCTGGCAGACGCCCGAGTTGTTCT 182
QY 622 CGCTAGTGAATTTCTCTCTCCAGTAGAGTTTCTTGTATGTGTAATTCATTGCC 681
DB 181 CGCTAGTGAATTTCTCTCTCCAGTAGAGTTTCTTGTATGTGTAATTCATTGCC 122
QY 682 TCTTTTCATCAGAGAGTAGAGTGGATGCTTCTTGTGTTGTTGTTGATTTATGTT 741
DB 121 TCTTTTCATCAGAGAGTAGAGTGGATGCTTCTTGTGTTGTTGTTGATTTATGTT 62
QY 742 TTTTAACTATAAACAAGTTTATTTAGCATTTGAAAGAGGAAGTAAATGTAC 801
DB 61 TTTTAACTATAAACAAGTTTATTTAGCATTTGAAAGAGGAAGTAAATGTAC 2

RESULT 30
US-09-815-343-1258
; Sequence 1258, Application US/09815343
; Patent No. US2001005596A1
; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine
; APPLICANT: Xu, Jiangchun
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.504
; CURRENT APPLICATION NUMBER: US/09/815,343
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1258
; LENGTH: 287
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(287)
; OTHER INFORMATION: n = A,T,C or G
US-09-815-343-1258
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Query Match          25.9%; Score 226.4; DB 10; Length 287;
Best Local Similarity 91.6%; Pred. No. 4.1e-51;
Matches 263; Conservative 0; Mismatches 21; Indels 3; Gaps 3;

QY 168 CCTGCATCTCCGCTGCTTCCGCCAGCAGAGAACTCCCTGCCCCCTGAGCTCAANG 227
DB 1 CCTGCATCTCCGCTGCTTCCGCCAGCAGAGAACTCCCTGCCCCCTGAGCTCAANG 60
QY 228 TGGTGTCTTCCGCGGCGCTTGTGTATGCTGTGATCTCTTCTGCGAGCTTCATGG 287
DB 61 TGGTGTCTTCCGCGGCGCTTGTGTATGCTGTGATCTCTTCTGCGAGCTTCATAG 120
QY 288 TCTACCTGATCCGGGTGCGACAGAGAGACCGAGGACCGCTGCGACCG-TCGAGC 346
DB 121 ACTACCTGATTCGGGTGCGACAGAGAGACCGAGGACCGCTGCGACCGTTTTCAGC 180
QY 347 TCCGAGATGACAA-GGAGAGCTGTGTAGAGACATATGTCTGTGACCTTTTCTG 405
DB 181 TCCGAGATGACAAANNAGCATCTGTGTAGAGACATATGTCTGTGACCGCTGTCT 240
QY 406 CCAAGAGACT-GGAGAGGAGGAGAGCTATGTGTGAGCTTTTCTT 451
DB 241 CCAATGAGACTGGGAGAGGAGGAGAGCTATGTGTGAGCTTTTCTT 287
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Search completed: May 27, 2003, 09:31:43
Job time : 182.45 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 06:18:27 ; Search time 55.3823 Seconds

(Without alignments)
4834.194 Million cell updates/sec

Title: US-09-825-682a-56

Perfect score: 873

Sequence: 1 ctccacgcgatatgttcaact.....tcaaaaaaaaaaaaaaaaa 873

Scoring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Issued Patents:NA:*
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2: /cgn2_6/prodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A.COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed.
and is derived by analysis of the total score distribution.

SUMMARIES

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1	862	98.7	1610	4	US-09-013-896A-1 Sequence 1, Appli
2	425.4	48.7	597	4	US-09-385-982-492 Sequence 492, App
3	394	45.1	759	1	US-08-685-660A-4 Sequence 4, Appli
4	394	45.1	759	2	US-08-974-196-4 Sequence 4, Appli
5	282.4	32.3	287	4	US-09-013-896A-13 Sequence 13, Appli
6	260	29.8	273	4	US-09-013-896A-14 Sequence 14, Appli
7	250	28.6	256	4	US-09-013-896A-15 Sequence 15, Appli
8	188	21.5	201	4	US-09-013-896A-16 Sequence 16, Appli
9	167.4	19.2	276	4	US-09-404-879A-169 Sequence 169, App
10	167	19.1	207	4	US-09-404-879A-356 Sequence 356, App
11	167	19.1	371	4	US-09-404-879A-365 Sequence 365, App
12	165.4	18.9	276	4	US-09-404-879A-168 Sequence 168, App
13	146.8	16.8	199	4	US-09-222-575-125 Sequence 125, App
14	72.8	8.3	783	4	US-09-020-956-15 Sequence 15, Appli
15	72.8	8.3	783	4	US-09-030-607-15 Sequence 15, Appli
16	72.8	8.3	783	4	US-09-605-785-15 Sequence 15, Appli
17	72.8	8.3	783	4	US-09-439-313-15 Sequence 15, Appli
18	72.8	8.3	783	4	US-09-352-616A-15 Sequence 15, Appli
19	72.8	8.3	783	4	US-09-232-149A-15 Sequence 15, Appli
20	71.4	8.2	1542	4	US-08-685-558A-8 Sequence 8, Appli
21	71.4	8.2	1542	4	US-09-765-449-8 Sequence 8, Appli
22	68.6	7.9	1870	4	US-09-071-709-6 Sequence 6, Appli
23	56.8	6.5	192	6	5187153-16 Patent No. 5187153
24	56.8	6.5	192	6	5220013-17 Patent No. 5220013
25	56.8	6.5	193	6	5223482-17 Patent No. 5223482
26	56.6	6.5	245	6	5187153-24 Patent No. 5187153
27	56.6	6.5	245	6	5223482-26 Patent No. 5223482

28	56.6	6.5	245	6	5223482-28	Patent No. 5223482
29	55.8	6.4	704	2	US-08-829-876-100	Sequence 100, App
30	55.8	6.4	704	2	US-08-829-876-104	Sequence 104, App
31	55.8	6.4	704	2	US-09-234-874A-100	Sequence 100, App
32	55.8	6.4	704	4	US-09-234-874A-104	Sequence 104, App
33	55	6.3	185	2	US-08-829-876-76	Sequence 76, Appli
34	55	6.3	185	4	US-09-234-874A-76	Sequence 76, Appli
35	55	6.3	197	2	US-08-829-876-78	Sequence 78, Appli
36	55	6.3	197	4	US-09-234-874A-78	Sequence 78, Appli
37	55	6.3	245	6	5187153-26	Patent No. 5187153
38	55	6.3	445	2	US-08-829-876-80	Sequence 80, Appli
39	55	6.3	445	2	US-08-829-876-82	Sequence 82, Appli
40	55	6.3	445	2	US-08-829-876-84	Sequence 84, Appli
41	55	6.3	445	2	US-08-829-876-86	Sequence 86, Appli
42	55	6.3	445	2	US-08-829-876-88	Sequence 88, Appli
43	55	6.3	445	2	US-08-829-876-96	Sequence 96, Appli
44	55	6.3	445	2	US-08-829-876-98	Sequence 98, Appli
45	55	6.3	445	2	US-08-829-876-106	Sequence 106, App
46	55	6.3	445	4	US-09-234-874A-80	Sequence 80, Appli
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50	55	6.3	445	4	US-09-234-874A-88	Sequence 88, Appli
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53	55	6.3	445	4	US-09-234-874A-106	Sequence 106, Appli
54	54.4	6.2	237	2	US-08-829-876-74	Sequence 74, Appli
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61	54.4	6.2	3725	1	US-08-155-331-12	Sequence 12, Appli
62	54.4	6.2	3725	1	US-08-424-022-12	Sequence 12, Appli
63	54.4	6.2	3725	2	US-08-424-017B-12	Sequence 12, Appli
64	54.4	6.2	3725	5	PCT-US93-11696-12	Sequence 12, Appli
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68	51.8	5.9	198	1	US-08-293-150A-85	Sequence 85, Appli
69	51.8	5.9	210	1	US-07-791-213D-11	Sequence 11, Appli
70	51.8	5.9	210	1	US-07-972-387-74	Sequence 74, Appli
71	51.8	5.9	210	1	US-08-431-412-74	Sequence 74, Appli
72	51.8	5.9	210	1	US-08-057-971-74	Sequence 74, Appli
73	51.8	5.9	210	1	US-08-293-150A-11	Sequence 11, Appli
74	51.8	5.9	210	2	US-08-235-518A-24	Sequence 24, Appli
75	51.8	5.9	276	1	US-07-791-213D-95	Sequence 95, Appli
76	51.8	5.9	276	1	US-08-293-150A-95	Sequence 95, Appli
77	51.8	5.9	295	1	US-07-791-213D-85	Sequence 85, Appli
78	51.8	5.9	445	2	US-08-293-150A-85	Sequence 85, Appli
79	51.8	5.9	445	2	US-08-829-876-90	Sequence 90, Appli
80	51.8	5.9	445	2	US-08-829-876-92	Sequence 92, Appli
81	51.8	5.9	445	2	US-08-829-876-94	Sequence 94, Appli
82	51.8	5.9	445	4	US-09-234-874A-90	Sequence 90, Appli
83	51.8	5.9	445	4	US-09-234-874A-92	Sequence 92, Appli
84	51.8	5.9	445	4	US-09-234-874A-94	Sequence 94, Appli
85	51.6	5.9	287	1	US-07-791-213D-99	Sequence 99, Appli
86	51.6	5.9	287	1	US-08-293-150A-99	Sequence 99, Appli
87	51.2	5.9	153	1	US-07-791-213D-13	Sequence 13, Appli
88	51.2	5.9	153	1	US-08-293-150A-13	Sequence 13, Appli
89	51.2	5.9	349	1	US-07-972-387-3	Sequence 3, Appli
90	51	5.8	349	1	US-08-431-412-3	Sequence 3, Appli
91	51	5.8	349	1	US-08-057-971-3	Sequence 3, Appli
92	51	5.8	350	1	US-07-791-213D-82	Sequence 82, Appli
93	51	5.8	350	1	US-08-293-150A-82	Sequence 82, Appli
94	51	5.8	753	4	US-09-152-060-34	Sequence 34, Appli
95	50.8	5.8	153	1	US-07-791-213D-99	Sequence 99, Appli
96	50.8	5.8	153	1	US-08-431-412-66	Sequence 66, Appli
97	50.8	5.8	153	1	US-08-057-971-66	Sequence 66, Appli
98	50.8	5.8	153	1	US-08-293-150A-9	Sequence 9, Appli
99	50.8	5.8	243	1	US-08-123-702-7	Sequence 7, Appli
100	50.8	5.8	243	1		


```
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: SUGARDE, MION, LINN, MACPEAK & SEAS
? STREET: 2100 Pennsylvania Avenue, N.W.
? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20037
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy Disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/974.196
? FILING DATE:
? PRIORITY APPLICATION DATA:
? APPLICATION NUMBER: 08/585,660
? FILING DATE: 24-JUL-1996
? APPLICATION NUMBER: JPA Hel 7-187134
? FILING DATE: 24-JUL-1995
? ATTORNEY/AGENT INFORMATION:
? NAME: KIT, Gordon
? REGISTRATION NUMBER: 30,764
? REFERENCE/DOCKET NUMBER: Q-42295
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (202) 293-7060
? TELEFAX: (202) 293-7860
? INFORMATION FOR SEQ ID NO: 4:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 759 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA to mRNA
? ANTI-SENSE: no
? ORIGINAL SOURCE:
? ORGANISM: Homo sapiens
? STRAIN: MKNA5
? FEATURE:
? NAME/KEY: coding sequence
? LOCATION: 1 to 759
? IDENTIFICATION METHOD: by experiment
? NAME/KEY: signal peptide
? LOCATION: 1 to 81
? IDENTIFICATION METHOD: by experiment
? NAME/KEY: mature peptide
? LOCATION: 82 to 759
? IDENTIFICATION METHOD: by experiment
?
? US-08-974-196-4
?
? Query Match 45.1%; Score 394; DB 2; Length 759;
? Best Local Similarity 100.0%; Pred. No. 7.2e-92;
? Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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?
? 1 CTCGAGGATATGTCACATAGAGATACGACCGCCCAAGCAGTCTAGGCGCTT 60
? 366 CTCGAGGATATGTCACATAGAGATACGACCGCCCAAGCAGTCTAGGCGCTT 425
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? 61 CCGTGCATCTCTCCACGCTGGTACTTGCAGTGGAGAGAACTCTGCATATCTT 120
? 426 CCGTGCATCTCTCCACGCTGGTACTTGCAGTGGAGAGAACTCTGCATATCTT 485
?
? 121 CTATGAGAGCTGCGGGGGCAATAGAAACAGTACCGCTCTGAGGAGGCTCTCATGCTCCG 180
? 486 CTATGAGAGCTGCGGGGGCAATAGAAACAGTACCGCTCTGAGGAGGCTCTCATGCTCCG 545
?
? 181 CTGCTTCGCGCAGCAGAGAAATCCCTCCCTGCTTGGCTAAAGGTGATGCTTGGC 240
? 546 CTGCTTCGCGCAGCAGAGAAATCCCTCCCTGCTTGGCTAAAGGTGATGCTTGGC 605
?
? 241 GGGGCTTTCTGTGATGCTGTGATCTCTTCTCTGGAGGCTCTCATGCTATCTGATCCG 300
? 606 GGGGCTTTCTGTGATGCTGTGATCTCTTCTCTGGAGGCTCTCATGCTATCTGATCCG 665
?
? Db
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? 301 GGTGGCAGCAGAGAACACGAGAGCTGCTCCGACCCGCTGTGAGACTCCGAGATGACAA 360
? 666 GGTGGCAGCAGAGAACACGAGAGCTGCTCCGACCCGCTGTGAGACTCCGAGATGACAA 725
?
? 361 GGAGCAGCTGTGGAAGAACACATATGTCCTGTGA 394
? 726 GGAGCAGCTGTGGAAGAACACATATGTCCTGTGA 759
?
? Db
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RESULT 5
US-09-013-896A-13
? Sequence 13, Application US/09013896A
? Patent No. 6262233
? GENERAL INFORMATION:
? APPLICANT: GENTZ, REINER
? TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
? NUMBER OF SEQUENCES: 31
? CORRESPONDENCE ADDRESS:
? ADDRESS: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
? STREET: 1100 NEW YORK AVE., NW, STE. 600
? CITY: WASHINGTON
? STATE: DC
? COUNTRY: US
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/013,896A
? FILING DATE:
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: STERRE, ERIC K.
? REGISTRATION NUMBER: 36,688
? REFERENCE/DOCKET NUMBER: 1488,1290001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (301) 309-8504
? TELEFAX: (301) 309-8439
? INFORMATION FOR SEQ ID NO: 13:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 287 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
?
? US-09-013-896A-13
?
? Query Match 32.3%; Score 282.4; DB 4; Length 287;
? Best Local Similarity 98.6%; Pred. No. 1.9e-63;
? Matches 283; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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?
? 46 AGTCACTGGGCTTGGCGTGCATCTCTCCACGCTGTACTTGTAGCTGGAGAGAACTC 105
? 1 AGTCACTGGGCTTGGCGTGCATCTCTCCACGCTGTACTTGTAGCTGGAGAGAACTC 60
?
? 106 CTGCAATTAATCTATATATGAGAGGCTGCGGGGCAATTAAGAAAGTACCGCTCTGAGA 165
? 61 CTGCAATTAATCTATATATGAGAGGCTGCGGGGCAATTAAGAAAGTACCGCTCTGAGA 120
?
? 166 GAGCCGATGCTCCGCGTGTCTCCGACAGAGAAATCCCGCCGCTTGGCTGCTAAA 225
? 121 GAGCCGATGCTCCGCGTGTCTCCGACAGAGAAATCCCGCCGCTTGGCTGCTAAA 180
?
? 226 GATGATGATCTGAGCGGGCTGTTCGTGATGATGATGATGATGATGATGATGATGATGAT 285
? 181 GATGATGATCTGAGCGGGCTGTTCGTGATGATGATGATGATGATGATGATGATGATGAT 240
?
? 286 GATGATGATCTGAGCGGGCTGTTCGTGATGATGATGATGATGATGATGATGATGATGAT 332
? 241 GATGATGATCTGAGCGGGCTGTTCGTGATGATGATGATGATGATGATGATGATGATGAT 287
?
? Db
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RESULT 6
US-09-013-896A-14/c
; Sequence 14, Application US/09013896A
; Patent No. 6262233
; GENERAL INFORMATION:
; APPLICANT: GENTZ, REINER
; TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, STE. 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/013,896A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1290001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 273 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-013-896A-14

Query Match      29.8%; Score 260; DB 4; Length 273;
Best Local Similarity 97.0%; Pred. No. 1e-57;
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 571 GGCCTCCTCCGCGATGCGCTGCGAGCAGCCCGCAGTGTTCCTCGCGTACG 630
DB 273 GGCCTCCTCCGCGATGCGCTGCGAGCAGCCCGCAGTGTTCCTCGCGTACG 214
QY 631 ATTCTTCTCCGCGAGTGTTCCTGCTATGCTGGAATCCATTCCTCTTCTC 690
DB 213 ATTCTTCTCCGCGAGTGTTCCTGCTATGCTGGAATCCATTCCTCTTCTC 154
QY 691 ATCAGAGAAGTGTGTGGAATCGTTCTTTGTTGTCGATTATGTTTTTAAGT 750
DB 153 ATCAGAGAAGTGTGTGGAATCGTTCTTTGTTGTCGATTATGTTTTTAAGT 94
QY 751 ATAAACAAAGTTTTTTATTTAGCATTCGAAGAAGTAAGTAAGTAAATGTAAGTTTAA 810
DB 93 ATAAACAAAGTTTTTTATTTAGCATTCGAAGAAGTAAGTAAGTAAATGTAAGTTTAA 34
QY 811 AAAAAAGGCGCTTCCCTTTAGAAATAA 838
DB 33 AAAAAAGGCGCTTCCCTTTAGAAATAA 6
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RESULT 7
US-09-013-896A-15/c
; Sequence 15, Application US/09013896A
; Patent No. 6262233
; GENERAL INFORMATION:
; APPLICANT: GENTZ, REINER
; TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, STE. 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/013,896A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1290001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-013-896A-15

Query Match      28.6%; Score 250; DB 4; Length 256;
Best Local Similarity 99.6%; Pred. No. 3.6e-55;
Matches 250; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 588 CCTGCAGTCTGGCAGCAGCCCGAGTGTTCCTCGCGTATGATTCATTTCTTCCTCCAGGT 647
DB 256 CCTGCAGTCTGGCAGCAGCCCGAGTGTTCCTCGCGTATGATTCATTTCTTCCTCCAGGT 197
QY 648 AGAGTTTCTTGTGTTATGTTGAATTCATTCCTCTTTTCTCATCAGCAAGTATGTT 707
DB 196 AGAGTTTCTTGTGTTATGTTGAATTCATTCCTCTTTTCTCATCAGCAAGTATGTT 137
QY 708 GAATCGCTTCTTTGTTGTTGTCGATTATGTTTTTTAAGTAATAAAGATTTT 767
DB 136 GAATCGCTTCTTTGTTGTTGTCGATTATGTTTTTTAAGTAATAAAGATTTT 77
QY 768 ATTACATTCTGAAGAAGAAAGTAATGTACAAAGTTTAATAAAGGCGCTTCCCG 827
DB 76 ATTACATTCTGAAGAAGAAAGTAATGTACAAAGTTTAATAAAGGCGCTTCCCG 17
QY 828 TTTAGAAATAA 838
DB 16 TTTAGAAATAA 6

RESULT 8
US-09-013-896A-17
; Sequence 17, Application US/09013896A
; Patent No. 6262233
; GENERAL INFORMATION:
; APPLICANT: GENTZ, REINER
; TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, STE. 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
```


Query Match 8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGATATCTGCACCGCAAGCAGTCTGAGGCTTCCGTCATCTTCCACGCTGG 82
DB 252 GAAGACTACTGCTCGTCATCCAAAMGTGGTGGTCCGGGGCTTTCCACGCTGG 311

QY 83 TACTTTGAGCTGGAGAGAACTCTGCAATTAATCTATATGAGAGCTTCGCCGGGCAAT 142
DB 312 TACTATGACCCCGACGAGCAGATCTGCAAGAGTTTCCTTATGAGGCTGCTGGCAAC 371

QY 143 AAGAACACTACCGCTCTGAGAGGCTTCATGCTCCGCTCTCCGCGACGAGAGAT 202
DB 372 AAGAACACTACCTCTGGGAGAGAGTGCATTCATCCTGTCNGGCTGTGCAAGTGG 431

QY 203 CCT 205
DB 432 CCT 434

RESULT 15
US-09-030-607-15
Sequence 15, Application US/09030607
Patent No. 6262245
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
NUMBER OF SEQUENCES: 224
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/030,607
FILING DATE: 25-FEB-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.427C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 783 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-030-607-15

Query Match 8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGATATCTGCACCGCAAGCAGTCTGAGGCTTCCGTCATCTTCCACGCTGG 82
DB 252 GAAGACTACTGCTCGTCATCCAAAMGTGGTGGTCCGGGGCTTTCCACGCTGG 311

QY 83 TACTTTGAGCTGGAGAGAACTCTGCAATTAATCTATATGAGAGCTTCGCCGGGCAAT 142
DB 312 TACTATGACCCCGACGAGCAGATCTGCAAGAGTTTCCTTATGAGGCTGCTGGCAAC 371

DB 312 TACTATGACCCCGACGAGCAGATCTGCAAGAGTTTCCTTATGAGAGCTTCGCCCAAC 371

QY 143 AAGAACACTACCGCTCTGAGAGGCTTCATGCTCCGCTCTCCGCGACGAGAGAT 202
DB 372 AAGAACACTACTTTCGGGAGAGAGTGCATTCATCCTGTCNGGCTGTGCAAGTGG 431

QY 203 CCT 205
DB 432 CCT 434

RESULT 16
US-09-605-785-15
Sequence 15, Application US/09605785
Patent No. 6321716
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darlick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C16
CURRENT APPLICATION NUMBER: US/09/605,785
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: PasteSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 783
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(783)
OTHER INFORMATION: n = A,T,C or G
US-09-605-785-15

Query Match 8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGATATCTGCACCGCAAGCAGTCTGAGGCTTCCGTCATCTTCCACGCTGG 82
DB 252 GAAGACTACTGCTCGTCATCCAAAMGTGGTGGTCCGGGGCTTTCCACGCTGG 311

QY 83 TACTTTGAGCTGGAGAGAACTCTGCAATTAATCTATATGAGAGCTTCGCCGGGCAAT 142
DB 312 TACTATGACCCCGACGAGCAGATCTGCAAGAGTTTCCTTATGAGAGCTTCGCCCAAC 371

QY 143 AAGAACACTACCGCTCTGAGAGGCTTCATGCTCCGCTCTCCGCGACGAGAGAT 202
DB 372 AAGAACACTACTTTCGGGAGAGAGTGCATTCATCCTGTCNGGCTGTGCAAGTGG 431

QY 203 CCT 205
DB 432 CCT 434

RESULT 17
US-09-439-313-15

```
; Sequence 15, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqul
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS OF PROSTATE CANCER
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(783)
; OTHER INFORMATION: n = A,T,C or G
US-09-439-313-15

Query Match      8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY      23 GAAGATACCTGACCGCCAGCGAGTCACTGGGCTTCGCGTGCATCTTCCAGCGTGG 82
      ||||| ||||| ||| | ||||| | ||||| ||||| |||||
Db      252 GAAGACTACTGCTGCTGCATCCACAAANGTGGTCCGCGGCTTTCCAGCGTGG 311
QY      83 TACTTATGACCGGAGAGAGAGTCTTCCATTAATTTATGAGAGGCTGCGGCGCAT 142
      ||||| ||||| | ||||| | ||||| ||||| |||||
Db      312 TACTATGACCCCGAGGAGATCTGCAAGAGTTCGTTATGAGAGCTGCTGGGCAAC 371
QY      143 AAGACAGCTACCGCTCTGAGAGGAGTCTGATCTCCGCTTCCGCGAGAGAGAT 202
      ||||| ||||| ||||| | ||||| ||||| |||||
Db      372 AAGACACTACTCTTCGCGAGAGAGATCTTATCTGCTGCGGCTGTCGAGAGTGGC 431
QY      203 CCT 205
      |||
Db      432 CCT 434

RESULT 18
US-09-352-616A-15
; Sequence 15, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqul
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapien
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; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(783)
; OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-15
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Query Match      8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY      23 GAAGATACCTGACCGCCAGCGAGTCACTGGGCTTCGCGTGCATCTTCCAGCGTGG 82
      ||||| ||||| ||| | ||||| | ||||| ||||| |||||
Db      252 GAAGACTACTGCTGCTGCATCCACAAANGTGGTCCGCGGCTTTCCAGCGTGG 311
QY      83 TACTTATGACCGGAGAGAGTCTTCCATTAATTTATGAGAGGCTGCGGCGCAT 142
      ||||| ||||| | ||||| | ||||| ||||| |||||
Db      312 TACTATGACCCCGAGGAGATCTGCAAGAGTTCGTTATGAGAGCTGCTGGGCAAC 371
QY      143 AAGACAGCTACCGCTCTGAGAGGAGTCTGATCTCCGCTTCCGCGAGAGAGAT 202
      ||||| ||||| ||||| | ||||| ||||| |||||
Db      372 AAGACACTACTCTTCGCGAGAGAGATCTTATCTGCTGCGGCTGTCGAGAGTGGC 431
QY      203 CCT 205
      |||
Db      432 CCT 434
```

```
RESULT 19
US-09-232-149A-15
; Sequence 15, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(783)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-15
```

```
Query Match      8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY      23 GAAGATACCTGACCGCCAGCGAGTCACTGGGCTTCGCGTGCATCTTCCAGCGTGG 82
      ||||| ||||| ||| | ||||| | ||||| ||||| |||||
Db      252 GAAGACTACTGCTGCTGCATCCACAAANGTGGTCCGCGGCTTTCCAGCGTGG 311
QY      83 TACTTATGAGTGGAGAGAACTCTGCAATTAATTTATGAGAGGCTGCGGCGCAT 142
      ||||| ||||| | ||||| | ||||| ||||| |||||
Db      312 TACTATGACCCCGAGGAGATCTGCAAGAGTTCGTTATGAGAGCTGCTGGGCAAC 371
QY      143 AAGACAGCTACCGCTCTGAGAGGAGTCTGATCTCCGCTTCCGCGAGAGAGAT 202
      ||||| ||||| ||||| | ||||| ||||| |||||
Db      372 AAGACACTACTCTTCGCGAGAGAGATCTTATCTGCTGCGGCTGTCGAGAGTGGC 431
QY      203 CCT 205
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Db      432 CCT 434
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RESULT 20
US-08-685-558a-8
; Sequence 8, Application US/08685558a
; Patent No. 6225081
; GENERAL INFORMATION:
; APPLICANT: SHIMOMURA, Takeshi
; APPLICANT: KAWAGUCHI, Toshiya
; APPLICANT: KITAMURA, Naomi
; APPLICANT: MIYAZAWA, Keiji
; TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/685,558a
; FILING DATE: 24-JUL-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JPA Hei 7-187135
; FILING DATE: 24-JUL-1995
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1542 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; STRAIN: MKM45
; FEATURE:
; NAME/KEY: coding sequence
; LOCATION: 1 to 1542
; IDENTIFICATION METHOD: by experiment
; NAME/KEY: signal peptide
; LOCATION: 1 to 105
; IDENTIFICATION METHOD: by experiment
; NAME/KEY: mature peptide
; LOCATION: 106 to 1542
; IDENTIFICATION METHOD: by experiment
; US-08-685-558a-8
;
; Query Match      8.2%; Score 71.4; DB 4; Length 1542;
; Best Local Similarity 65.2%; Pred. No. 5.2e-09;
; Matches 105; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
;
; QY      23 GAAGAATAGTGCACCGCCACGACGATCGGCGCTTGCGGTGATCCTTCCACGCTGG 82
;         ||||| ||||| ||| | | | | | | | | | | | | | | | | | | | | | | |
; Db      739 GAAGACTAGCTGCGTCATCCACAGGTGGGTGGTGGCGGCGCTTTTCCACGCTGG 798
;
; QY      83 TACTTTGACGTGGAGAGGACTCTGCAATTAATCTATATGAGGCTGCCGGGCAAT 142
;         ||||| ||||| | | | | | | | | | | | | | | | | | | | | | | |
; Db      799 TACTATGACCCACGAGACGATCTGCACAGATTGCTTATGAGGCTGCTGGGCAC 858
;
; QY      143 AAGAAGACTACCGCTCTGAGGAGCGCTGCATGCTCCGCTG 183
;         ||||| ||||| || | | | | | | | | | | | | | | | | | | |
; Db      859 AAGAAGACTACCTTGGGAGAGAGATTCATTAGCCTG 899
;
; RESULT 21
; US-09-765-449-8
; Sequence 8, Application US/09765449
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; Patent No. 6465622
; GENERAL INFORMATION:
; APPLICANT: SHIMOMURA, Takeshi
; APPLICANT: KAWAGUCHI, Toshiya
; APPLICANT: KITAMURA, Naomi
; APPLICANT: MIYAZAWA, Keiji
; TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,449
; FILING DATE: 22-Jan-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/685,558
; FILING DATE: <Unknown>
; INFORMATION FOR SEQ ID NO: 8
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1542 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; STRAIN: MKM45
; SEQUENCE DESCRIPTION: SEQ ID NO: 8
; US-09-765-449-8
;
; Query Match      8.2%; Score 71.4; DB 4; Length 1542;
; Best Local Similarity 65.2%; Pred. No. 5.2e-09;
; Matches 105; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
;
; QY      23 GAAGAATAGTGCACCGCCACGACGATCGGCGCTTGCGGTGATCCTTCCACGCTGG 82
;         ||||| ||||| ||| | | | | | | | | | | | | | | | | | | | | | |
; Db      739 GAAGACTAGCTGCGTCATCCACAGGTGGGTGGTGGCGGCGCTTTTCCACGCTGG 798
;
; QY      83 TACTTTGACGTGGAGAGGACTCTGCAATTAATCTATATGAGGCTGCCGGGCAAT 142
;         ||||| ||||| | | | | | | | | | | | | | | | | | | | | | | |
; Db      799 TACTATGACCCACGAGACGATCTGCACAGATTGCTTATGAGGCTGCTGGGCAC 858
;
; QY      143 AAGAAGACTACCGCTCTGAGGAGCGCTGCATGCTCCGCTG 183
;         ||||| ||||| || | | | | | | | | | | | | | | | | | | |
; Db      859 AAGAAGACTACCTTGGGAGAGAGATTCATTAGCCTG 899
;
; RESULT 22
; US-09-071-709-6
; Sequence 6, Application US/09071709
; Patent No. 6171790
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Guejler, Karl J.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: HUMAN PROTEASE ASSOCIATED PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
```

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,709
FILING DATE: Filed Herewith
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: CERONE, MICHAEL C.
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0513 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1870 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BLADNOT04
CLONE: 1319265
US-09-071-709-6

Query Match 7.98; Score 68.6; DB 4; Length 1870;
Best Local Similarity 63.88; Pred. No. 3e-08;
Matches 104; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 21 ATGAGAAATGACGACCGCCAGCAGTCTGCGCTTGGCCCTGCAATTCCTTCCACGCT 80
DB 327 AAGACTAGCTGCTGCGATCCACAGAGTGGTGGCGCTGCTTTCCTCCGCGCT 386
QY 81 GGTACTTGTAGCTGAGAGAGACTCTGCAATTAATTCATCTATGAGAGCGCTCCGCGCA 140
DB 387 GGTACTATGACCCACGACAGATCTGCAGAGTTGTTTATGAGAGCGCTGTTGGCA 446
QY 141 ATGAGAGAGTACCGCTGCTGAGAGCGCTGATCTCTCCGCTG 183
DB 447 ACAGAGACACTGCTTGGGAGAGAGAGTGCATCTAGCCTG 489

RESULT 23
5187153-16
PATENT NO. 5187153
APPLICANT: CORDELL, BARBARA; SCHILLING, JAMES W.; KATUNUMA, NOBUHIKO
TITLE OF INVENTION: METHODS OF TREATMENT USING ALZHEIMER'S
AMYLOID POLYPEPTIDE DERIVATIVES
NUMBER OF SEQUENCES: 33
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/502,273
FILING DATE: 29-MAR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 361,912
FILING DATE: 06-JUN-1989
APPLICATION NUMBER: 359,911
FILING DATE: 12-MAY-1989
APPLICATION NUMBER: 87,002
FILING DATE: 18-AUG-1987
APPLICATION NUMBER: 8,810
FILING DATE: 30-JAN-1987
APPLICATION NUMBER: 948,376
FILING DATE: 31-DEC-1986
APPLICATION NUMBER: 932,193
FILING DATE: 17-NOV-1986

SEQ ID NO: 16;
LENGTH: 192
5187153-16

Query Match 6.5%; Score 56.8; DB 6; Length 192;
Best Local Similarity 58.1%; Pred. No. 1.1e-05;
Matches 100; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 19 CTGTGAGAAATGACGACCGCCAGCAGTCTGCGCTTGGCCCTGCAATTCCTTCCACG 78
DB 5 CAACGCGAGGTGCTGCTGTGACAGACTGAGTGGCCGCGCTCAATGATCTCCG 64
QY 79 CTGTGCTTGTGATGACAGTGAAGTATGAGTGGCTTCTTATGAGGCGGTGCGG 124
DB 65 CTGTGCTTGTGATGACAGTGAAGTATGAGTGGCTTCTTATGAGGCGGTGCGG 124
QY 139 CATAAGAGAGTACCGCTCTGAGAGGCTGATGCTCCGCTGCTCCG 190
DB 125 CAACGCTAACAACCTTGACACTGAGAGTACTGATGACAGTGTGCGGACG 176

RESULT 24
5220013-17
PATENT NO. 5220013
APPLICANT: PONTE, PHYLLIS A.; CORDELL, BARBARA
TITLE OF INVENTION: DNA SEQUENCE USEFUL FOR THE DETECTION
OF ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/444,118
FILING DATE: 30-NOV-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 87,002
FILING DATE: 18-AUG-1987
APPLICATION NUMBER: 8,810
FILING DATE: 30-JAN-1987
APPLICATION NUMBER: 948,376
FILING DATE: 31-DEC-1986
APPLICATION NUMBER: 932,193
FILING DATE: 17-NOV-1986
SEQ ID NO: 17;
LENGTH: 192

Query Match 6.5%; Score 56.8; DB 6; Length 192;
Best Local Similarity 58.1%; Pred. No. 1.1e-05;
Matches 100; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 19 CTATGAGAAATGACGACCGCCAGCAGTCTGCGCTTGGCCCTGCAATTCCTTCCACG 78
DB 5 CAACGCGAGGTGCTGCTGTGACAGACTGAGTGGCCGCGCTGCAATGATCTCCG 64
QY 79 CTGTGCTTGTGATGACAGTGAAGTATGAGTGGCTTCTTATGAGGCGGTGCGG 138
DB 65 CTGTGCTTGTGATGACAGTGAAGTATGAGTGGCTTCTTATGAGGCGGTGCGG 124
QY 139 CATAAGAGAGTACCGCTCTGAGAGGCTGATGCTCCGCTGCTCCG 190
DB 125 CAACGCTAACAACCTTGACACTGAGAGTACTGATGACAGTGTGCGGACG 176

RESULT 25
5223482-17
PATENT NO. 5223482
APPLICANT: SCHILLING, JAMES W.; PONTE, PHYLLIS A.; CORDELL, BARBARA
TITLE OF INVENTION: RECOMBINANT ALZHEIMER'S PROTEASE
INHIBITORY AMYLOID PROTEIN AND METHOD OF USE
NUMBER OF SEQUENCES: 34
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/361,912
FILING DATE: 06-JUN-1989
PRIOR APPLICATION DATA:

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: APPLICATION NUMBER: 359,911
: FILING DATE: 12-MAY-1989
: APPLICATION NUMBER: 87,002
: FILING DATE: 18-AUG-1987
: APPLICATION NUMBER: 8,810
: FILING DATE: 30-JAN-1987
: APPLICATION NUMBER: 948,376
: FILING DATE: 31-DEC-1986
: APPLICATION NUMBER: 932,193
: FILING DATE: 17-NOV-1986
: SEQ ID NO:17:
: LENGTH: 193
5223482-17

Query Match
Best Local Similarity 58.18; Score 56.6; DB 6; Length 193;
Matches 100; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

OY 19 CTATGAGAACTACTGACCCGCAACGAGTCAGTGGCCCTTCCGTCATCCTTCCGACG 78
Db 5 CAAGCGGAGGTGTCTCTCTGAAACAGCTGACCTGCGCCGTCGTCATATCTTCCG 64
OY 79 CTGACTCTTACCTGAGAGAGAACTCTGCAATPACTTCATCTATGAGGCTGCCGGG 138
Db 65 CTGACTCTTATGATGACTGAAAGTAAGTGGCGCTCCATCTTTTACGGCGGTTGGCGCG 124
OY 139 CAATAGAGACGACGACGCTCTGAGAGGCGCTGATGCTCCGCTCTCCG 190
Db 125 CAACCGTAACACTTTGACACTGAAGTAAGTACTGATGCGAGTGTGGCGACG 176

RESULT 26
5187153-24

: PATENT NO. 5187153
: APPLICANT: CORDELL, BARBARA; SCHILLING, JAMES W.; KATUNUMA, NORUHIKO
: TITLE OF INVENTION: METHODS OF TREATMENT USING ALZHEIMER'S
: AMYLOID POLYPEPTIDE DERIVATIVES
: NUMBER OF SEQUENCES: 33
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/502,273
: FILING DATE: 29-MAR-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 361,912
: FILING DATE: 06-JUN-1989
: APPLICATION NUMBER: 359,911
: FILING DATE: 12-MAY-1989
: APPLICATION NUMBER: 87,002
: FILING DATE: 18-AUG-1987
: APPLICATION NUMBER: 8,810
: FILING DATE: 30-JAN-1987
: APPLICATION NUMBER: 948,376
: FILING DATE: 31-DEC-1986
: APPLICATION NUMBER: 932,193
: FILING DATE: 17-NOV-1986
: SEQ ID NO:24:
: LENGTH: 245
5187153-24

Query Match
Best Local Similarity 6.58; Score 56.6; DB 6; Length 245;
Matches 95; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

OY 32 TGCACCGCCAAAGCAGTCTGAGGCTTCGCGTCATCTTCCGACGCTGACTTTGAC 91
Db 71 TCTCTGAAACAAGCTGAGTGTGCGCGTGCATCTCCGCGTACTTGCAT 130
OY 92 GTGAGAGAGAACTCTGCAATTAATCTATGAGGCTGCCGGGGCAATAAGACAGC 151
Db 131 GTGACTGAAGTAAGTGTGCGTCCATCTTTTACGGCGGTGCGCGCAACCGTAACAC 190
OY 152 TACCGCTCTGAGAGGCTGCACTGCTCCGCTCTCCGCTTCCG 190
Db 191 TTGACACTGAAGTAAGTACTGATGCGAGTGTGGCGACG 229
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RESULT 27
5223482-26

: PATENT NO. 5223482
: APPLICANT: SCHILLING, JAMES W.; PONTE, PHYLLIS A.; CORDELL, BARBARA
: TITLE OF INVENTION: RECOMBINANT ALZHEIMER'S PROTEASE
: INHIBITOR AMYLOID PROTEIN AND METHOD OF USE
: NUMBER OF SEQUENCES: 34
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/361,912
: FILING DATE: 06-JUN-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 359,911
: FILING DATE: 12-MAY-1989
: APPLICATION NUMBER: 87,002
: FILING DATE: 18-AUG-1987
: APPLICATION NUMBER: 8,810
: FILING DATE: 30-JAN-1987
: APPLICATION NUMBER: 948,376
: FILING DATE: 31-DEC-1986
: APPLICATION NUMBER: 932,193
: FILING DATE: 17-NOV-1986
: SEQ ID NO:26:
: LENGTH: 245
5223482-26

Query Match
Best Local Similarity 59.78; Score 56.6; DB 6; Length 245;
Matches 95; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

OY 32 TGCACCGCCAAAGCAGTCTGAGGCTTCGCGTCATCTTCCGACGCTGACTTTGAC 91
Db 71 TCTCTGAAACAAGCTGAGTGTGCGCGTGCATGATCTCCGCTGACTTGTAT 130
OY 92 GTGAGAGAGAACTCTGCAATTAATCTATGAGGCTGCCGGGGCAATAAGACAGC 151
Db 131 GTGACTGAAGTAAGTGTGCGTCCATCTTTTACGGCGGTGCGCGCAACCGTAACAC 190
OY 152 TACCGCTCTGAGAGGCTGCACTGCTCCGCTCTCCGCTTCCG 190
Db 191 TTGACACTGAAGTAAGTACTGATGCGAGTGTGGCGACG 229

RESULT 28
5223482-28

: PATENT NO. 5223482
: APPLICANT: SCHILLING, JAMES W.; PONTE, PHYLLIS A.; CORDELL, BARBARA
: TITLE OF INVENTION: RECOMBINANT ALZHEIMER'S PROTEASE
: INHIBITOR AMYLOID PROTEIN AND METHOD OF USE
: NUMBER OF SEQUENCES: 34
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/361,912
: FILING DATE: 06-JUN-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 359,911
: FILING DATE: 12-MAY-1989
: APPLICATION NUMBER: 87,002
: FILING DATE: 18-AUG-1987
: APPLICATION NUMBER: 8,810
: FILING DATE: 30-JAN-1987
: APPLICATION NUMBER: 948,376
: FILING DATE: 31-DEC-1986
: APPLICATION NUMBER: 932,193
: FILING DATE: 17-NOV-1986
: SEQ ID NO:28:
: LENGTH: 245
5223482-28

Query Match
Best Local Similarity 6.58; Score 56.6; DB 6; Length 245;
Matches 95; Conservative 0; Mismatches 64; Indels 0; Gaps 0;
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QY 133 CCGGGGCAATAGACACTACCGCTCTGAGGAGGCGCTGCATG 175
1 1 11111 11111 1 11111 111111
Db 171 CCGCGCAACCGCTAACAATTGTGACACTGAGAGTACTGCATG 213

Search completed: May 27, 2003, 08:04:27
Job time : 57.3823 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 06:18:27 ; Search time 20.6177 Seconds

(Without alignments)
4834.194 Million cell updates/sec

Title: US-09-825-682a-57
325

Perfect score: 1 aaagagggcgcaggggcct.....gtataaaaaaaaaaaaaa 325

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 682724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	113	34.8	26700	2	US-08-488-199-5
5	113	34.8	26700	3	US-08-760-534A-1
6	112.6	34.6	2432	1	US-08-078-663A-1
7	38.8	11.9	958	2	US-08-757-046A-5
8	38.8	11.9	958	3	US-09-447-208-5
9	38.8	11.9	958	3	US-09-135-988-5
10	38.8	11.9	958	4	US-09-277-716-5
11	38.8	11.9	958	4	US-08-597-274A-5
12	38.8	11.9	958	4	US-08-908-909-5
13	38.8	11.9	958	4	US-09-609-161B-5
14	38.8	11.9	958	4	US-08-990-103-5
15	38.4	11.8	8920	2	US-08-446-855A-1
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18	38.2	11.8	1332	3	US-08-326-119A-1
19	37.6	11.6	1260	1	US-08-599-252-79
20	37.6	11.6	1260	1	US-08-436-074-52
21	37.6	11.6	1260	5	PCT-US96-06552-79
22	37.6	11.6	1260	5	PCT-US96-06583-79
23	37.6	11.6	1260	5	US-08-684-862-75
24	36.4	11.2	579	4	US-09-040-984-75
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26	36.4	11.2	579	4	US-09-643-597-75
27	36.2	11.1	4257	2	US-08-690-473-1
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31	36.2	11.1	12001	1	US-08-458-568A-11
32	35.4	10.9	2851	4	US-09-535-521-1
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34	35.4	10.9	3785	3	US-08-170-558-9
35	35.4	10.9	3785	3	US-08-447-314-9
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40	35.2	10.8	1172	1	US-08-461-809-9
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43	35.2	10.8	1841	5	PCT-US93-00362-1
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45	35	10.8	5173	1	US-08-242-677-1
46	35	10.8	1633	4	US-09-119-788-1
47	34.8	10.7	2205	3	US-08-888-077A-41
48	34.8	10.7	2205	3	US-09-198-284-1
49	34.6	10.6	579	1	US-09-198-284-1
50	34.6	10.6	579	1	US-09-198-284-3
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54	34.6	10.6	1863	2	US-08-987-122-4
55	34.6	10.6	2196	4	US-09-149-476-163
56	34.6	10.6	3010	4	US-08-961-527-25
57	34.6	10.6	3319	3	US-08-335-844A-15
58	34.4	10.6	1408	4	US-09-605-785-587
59	34.4	10.6	4300	1	US-08-041-538-1
60	34.4	10.6	4300	1	US-08-463-642-1
61	34.4	10.6	4300	1	US-08-455-602-1
62	34.4	10.6	4300	2	US-08-465-157-1
63	34.4	10.6	4300	2	PCT-US91-09422-1
64	34.4	10.6	8920	2	US-08-446-855A-1
65	34.4	10.6	8920	4	US-09-150-741-1
66	34.2	10.5	622	4	US-09-385-982-184
67	34.2	10.5	1378	4	US-09-149-476-208
68	34.2	10.5	1862	4	US-09-370-253-1
69	34.2	10.5	2323	4	US-09-149-476-24
70	34	10.5	1315	4	US-09-721-822A-10
71	34	10.5	1435	2	US-08-955-713-3
72	34	10.5	1485	4	US-09-372-422A-39
73	34	10.5	1656	3	US-09-072-384-14
74	34	10.5	1679	3	US-09-072-384-17
75	34	10.5	2501	4	US-09-920-663-3
76	34	10.5	2502	4	US-09-069-023-2
77	34	10.5	3812	4	US-09-784-316-1
78	33.8	10.4	1100	4	US-07-861-458C-4
79	33.8	10.4	1700	2	US-08-897-340-4
80	33.8	10.4	1700	3	US-09-252-329-4
81	33.8	10.4	2672	1	US-08-703-947-1
82	33.6	10.3	1639	4	US-09-362-473-5
83	33.6	10.3	2301	4	US-09-561-825-1
84	33.6	10.3	2322	1	US-08-618-164-1
85	33.6	10.3	2361	4	US-09-561-825-26
86	33.6	10.3	2361	4	US-09-561-825-29
87	33.6	10.3	2362	4	US-09-561-825-27
88	33.6	10.3	2363	4	US-09-561-825-28
89	33.6	10.3	2649	2	US-08-718-964-1
90	33.6	10.3	2649	2	US-09-059-964A-1
91	33.6	10.3	2649	2	US-08-842-341-1
92	33.6	10.3	2671	6	5168051-9
93	33.6	10.3	6200	4	US-09-439-923-1
94	33.4	10.3	371	1	US-08-664-596B-25
95	33.4	10.3	371	2	US-08-739-775-3
96	33.4	10.3	599	4	US-09-328-111-147
97	33.4	10.3	1578	4	US-09-416-050A-1
98	33.4	10.3	1578	4	US-09-664-800-1
99	33.4	10.3	1578	4	US-09-665-309-1
100	33.4	10.3	1578	4	US-09-661-569-1

ALIGNMENTS

RESULT 1

US-08-488-199-3

; Sequence 3, Application US/08488199

; Patent No. 5851993

; GENERAL INFORMATION:

; APPLICANT: Jaikaneu, Markku

; APPLICANT: Mail, Markku

; TITLE OF INVENTION: Suppression of Tumor Cell Growth By

; TITLE OF INVENTION: Syndecan-1 Ectodomain

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX

; STREET: 1100 New York Ave., NW

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/488,199

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/258,862

; FILING DATE: 13-JUN-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Cimbala, Michele A.

; REGISTRATION NUMBER: 33,851

; REFERENCE/DOCKET NUMBER: 1102.0130001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-2600

; TELEFAX: 202-371-2540

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2430 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: both

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 206..1138

; US-08-488-199-3

Query Match 94.6%; Score 307.4; DB 2; Length 2430;

Best Local Similarity 99.1%; Pred. No. 1.7e-73;

Matches 319; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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QY      4 GAGGGGCGAGGGGCGCTGCGAGATCTCTGCGAGACACCCCGTCTGCTGTGGCGCG 63
      |||
DB      2100 GAGGGGCGAGGGGCGCTGCGAGATCTCTGCGAGACACCCCGTCTGCTGTGGCGCG 2158
      |||
QY      64 TCTCCAGGGGGCTGCTCTCTGCGAATTCAGCAGGGGTGCTTGGGCGAGAGCTGGCT 123
      |||
DB      2159 TCTCCAGGGGGCTGCTCTCTGCGAATTCAGCAGGGGTGCTTGGGCGAGAGCTGGCT 2218
      |||
QY      124 GAGCGGCTCCATCCAGGCGAGTTCCTGCTAGCTGTGGCCGACCTGGAGCGCTG 183
      |||
DB      2219 GAGCGGCTCCATCCAGGCGAGTTCCTGCTAGCTGTGGCCGACCTGGAGCGCTG 2278
      |||
QY      184 GCGTGAATCAGGAATTTTCCAAAGAGTATGATCTTTTGGCTTTGGCAAACTCTAC 243
      |||
DB      2279 GCGTGAATCAGGAATTTTCCAAAGAGTATGATCTTTTGGCTTTGGCAAACTCTAC 2338
      |||
QY      244 TTATCCAAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAACCTTAATA 303
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```
DB      2339 TTATCCAAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAACCTTAATA 2398
      |||
QY      304 AAGTAAAAAAAAAAAAAAAA 325
      |||
DB      2399 AAGTAAAAAAAAAAAAAAAA 2420
```

RESULT 2

US-09-643-597-134

; Sequence 134, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tonglong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 134

; LENGTH: 4797

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)..(4797)

; OTHER INFORMATION: n = A,T,C or G

; US-09-643-597-134

Query Match 87.9%; Score 285.8; DB 4; Length 4797;

Best Local Similarity 96.1%; Pred. No. 1.4e-67;

Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

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QY      4 GAGGGGCGAGGGGCGCTGCGAGATCTCTGCGAGACACCCCGTCTGCTGTGGCGCG 63
      |||
DB      3765 GAGGGGCGAGGGGCGCTGCGAGATCTCTGCGAGACACCCCGTCTGCTGTGGCGCG 3824
      |||
QY      64 TCTCCAGGGGGCTGCTCTCTGCGAATTCAGCAGGGGTGCTTGGGCGAGAGCTGGCT 123
      |||
DB      3825 TCTCCAGGGGGCTGCTCTCTGCGAATTCAGCAGGGGTGCTTGGGCGAGAGCTGGCT 3884
      |||
QY      124 GAGCGGCTCCATCCAGGCGAGTTCCTGCTAGCTGTGGCCGACCTGGAGCGCTG 183
      |||
DB      3885 GAGCGGCTCCATCCAGGCGAGTTCCTGCTAGCTGTGGCCGACCTGGAGCGCTG 3944
      |||
QY      3945 GCGTGAATCAGGAATTTTCCAAAGAGTATGATCTTTTGGCTTTGGCAAACTCTAC 4004
      |||
QY      244 TTATCCAAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAACCTTAATA 303
      |||
DB      4005 TTATCCAAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAACCTTAATA 4064
      |||
QY      304 AAGTA 308
      |||
DB      4065 AAGTA 4069
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RESULT 3

US-08-472-217-1

; Sequence 1, Application US/08472217

OY	216	TAGCTTTTTCGTTTTGGCAAAACATCCTATTCCGAAGGTCTTTTCQTGTACAGTAGA	275
Dd	25590	-AGTCTTTTGCGTTTGGCAAAGGCCTACTTAATCCAAGGST-----TCGTACAGTAGA.	25643
OY	276	TTTTGCCAATGTATAATACCTTTAATTAAGA	308
Dd	25644	TTTTGCAGATGATNATPAACTTTATNTATTAAGA	25676

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1      RESULT 4
2      US-08-488-199-5
3      ; Sequence 5, Application US/08488199
4      ; Patent No. 5851993
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Jalkonen, Markku
7      ; APPLICANT: Mali, Markku
8      ; TITLE OF INVENTION: Suppression of Tumor Cell Growth By
9      ; TITLE OF INVENTION: Syndecan-1 Ectodomain
10     ; NUMBER OF SEQUENCES: 8
11     ; CORRESPONDENCE ADDRESS:
12     ; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX
13     ; STREET: 1100 New York Ave., NW
14     ; CITY: Washington
15     ; STATE: DC
16     ; COUNTRY: USA
17     ; ZIP: 20005
18     ; COMPUTER READABLE FORM:
19     ; MEDIUM TYPE: Floppy disk
20     ; COMPUTER: IBM PC compatible
21     ; OPERATING SYSTEM: PC-DOS/MS-DOS
22     ; SOFTWARE: PatentIn Release #1.0, Version #1.25
23     ; CURRENT APPLICATION DATA:
24     ; APPLICATION NUMBER: US/08/488,199
25     ; FILING DATE: 07-JUN-1995
26     ; CLASSIFICATION: S14
27     ; PRIOR APPLICATION DATA:
28     ; APPLICATION NUMBER: US 08/258,862
29     ; FILING DATE: 13-JUN-1994
30     ; ATTORNEY/AGENT INFORMATION:
31     ; NAME: Cimbal, Michele A.
32     ; REGISTRATION NUMBER: 33,851
33     ; REFERENCE/DOCKET NUMBER: 1102.0130001
34     ; TELECOMMUNICATION INFORMATION:
35     ; TELEPHONE: 202-371-2600
36     ; TELEFAX: 202-371-2540
37     ; INFORMATION FOR SEQ ID NO: 5:
38     ; SEQUENCE CHARACTERISTICS:
39     ; LENGTH: 26700 base pairs
40     ; TYPE: nucleic acid
41     ; STRANDEDNESS: single
42     ; TOPOLOGY: linear
43     ; FEATURE:
44     ; NAME/KEY: CDS
45     ; LOCATION: 4378..4443
46     ; FEATURE:
47     ; NAME/KEY: CDS
48     ; LOCATION: 22026..22107
49     ; FEATURE:
50     ; NAME/KEY: CDS
51     ; LOCATION: 23002..23483
52     ; FEATURE:
53     ; NAME/KEY: CDS
54     ; LOCATION: 23905..24040
55     ; FEATURE:
56     ; NAME/KEY: CDS
57     ; LOCATION: 24252..24418
58     ; US-08-488-199-5
59
60     Query Match 34.8%; Score 113; DB 2; Length 26700;
61     Best Local Similarity 76.2%; Pred. No. 6.8e-21;
62     Matches 208; Conservative 0; Mismatches 50; Indels 15; Gaps 5;

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RESULT 5
US-08-760-534A-1
; Sequence 1, Application US/08760534A

```

1  GENERAL INFORMATION:
2  APPLICANT: JALKANEN, MARKKU
3  APPLICANT: JAAKKOLA, PANU
4  APPLICANT: VIHINEN, TAPANI
5  TITLE OF INVENTION: SYNDECAN ENHANCER ELEMENT AND SYNDECAN
6  TITLE OF INVENTION: STIMULATION OF CELLULAR DIFFERENTIATION
7  NUMBER OF SEQUENCES: 14
8  CORRESPONDENCE ADDRESS:
9  ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
10 STREET: 1100 NEW YORK AVENUE, SUITE 600
11 CITY: WASHINGTON
12 STATE: DC
13 COUNTRY: US
14 ZIP: 20005-3934
15 COMPUTER READABLE FORM:
16 MEDIUM TYPE: Floppy disk
17 COMPUTER: IBM PC compatible
18 OPERATING SYSTEM: PC-DOS/MS-DOS
19 SOFTWARE: PatentIn Release #1.0, Version #1.30
20 CURRENT APPLICATION DATA:
21 APPLICATION NUMBER: US/08/760,534A
22 FILING DATE: 02-DEC-1996
23 CLASSIFICATION: 435
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER: US 08/206,186
26 FILING DATE: 07-MAR-1994
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: PCT/E193/00514
29 FILING DATE: 01-DEC-1993
30 ATTORNEY/AGENT INFORMATION:
31 NAME: GIMBALA, MICHELE A.
32 REGISTRATION NUMBER: 33,851
33 REFERENCE/DOCKET NUMBER: 1708_0050004/MAC
34 TELECOMMUNICATION INFORMATION:
35 TELEPHONE: (202) 371-2600
36 TELEFAX: (202) 371-2540
37 INFORMATION FOR SEQ. ID NO.: 1:
38 SEQUENCE CHARACTERISTICS:
39 LENGTH: 26700 base pairs
40 TYPE: nucleic acid
41 STRANDEDNESS: double
42 TOPOLOGY: linear
43 MOLECULE TYPE: DNA (genomic)
44 FEATURE:
45 NAME/KEY: CDS
46 LOCATION: join(4378..4443, 22026..22106, 23001..23483,
47 LOCATION: 23905..24039, 24251..24418)
48 (S-08-760-534A-1

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RESULT 6
US-08-078-683A-1
; Sequence 1, Application US/08078683A
; Patent No. 5486599

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1 RESULT 6
2 US-08-078-683A-1
3 : Sequence 1, Application US/08078683A
4 : Patent No. 5486599
5 :
6 : GENERAL INFORMATION:
7 : APPLICANT: Saunders, Scott
8 : APPLICANT: Bernfield, Merton
9 : APPLICANT: Kato, Masato
10 : TITLE OF INVENTION: Construction and Use of Synthetic
11 : TITLE OF INVENTION: Constructs Encoding Syndecan
12 : NUMBER OF SEQUENCES: 43
13 :
14 : CORRESPONDENCE ADDRESS:
15 : ADDRESSEE: LAHIVE & COCKFIELD
16 : STREET: 60 State Street
17 : CITY: Boston
18 : STATE: MA
19 :
20 : COUNTRY: USA
21 : ZIP: 02109
22 :
23 : COMPUTER READABLE FORM:
24 : MEDIUM TYPE: Floppy disk
25 : COMPUTER: IBM PC compatible
26 : OPERATING SYSTEM: PC-DOS/MS-DOS
27 : SOFTWARE: ASCII (text)
28 :
29 : CURRENT APPLICATION DATA:
30 : APPLICATION NUMBER: US/08/078,683A
31 : FILING DATE: 17-JUN-1993
32 : CLASSIFICATION: 435
33 :
34 : ATTORNEY/AGENT INFORMATION:
35 : NAME: Vincent, Matthew P.
36 : REGISTRATION NUMBER: 36,709
37 : REFERENCE/DOCKET NUMBER: CME-062
38 :
39 : TELECOMMUNICATION INFORMATION:
40 : TELEPHONE: (617) 227-7400
41 : TELEFAX: (617) 227-5941
42 :
43 : INFORMATION FOR SEQ ID NO: 1:
44 : SEQUENCE CHARACTERISTICS:
45 : LENGTH: 2432 base pairs
46 : TYPE: nucleic acid
47 : STRANDEDNESS: single
48 : TOPOLOGY: linear
49 : MOLECULE TYPE: cDNA
50 :
51 : FEATURE:
52 : NAME/KEY: CDS
53 : LOCATION: 240..1175
54 : FEATURE:
55 : NAME/KEY: misc_feature
56 : LOCATION: 305..306
57 :
58 : OTHER INFORMATION: /function= "Exon 1/Exon2 boundary"
59 :
60 :

```



```

NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24/27-105C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-450-8400
TELEFAX: 619-450-8499
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INFORMATION: apoaeguorin-encoding gene
PUBLICATION INFORMATION:
PUBLICATION INFORMATION: PATENT NO.: 5,093,240
AUTHORS: Ihouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)
US-09-135-988-5

Query Match 11.9%; Score 38.8; DB 3; Length 958;
Best Local Similarity 58.8%; Pred. No. 0.16;
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGGATAGCTTGTCTGCTTTGGCAACACTCTACTTAATCCAAATGGGTTTCTCGTACAG 271
Db 812 GGTGTGATTTTGTATTGGAGACGATTAAATCGAATGATTTGTGTTTATATCAA 871

QY 272 TGGATTTCCAAATGTAAATAACTTTAATATATAAGTAAAAA
Db 872 CAGAACTTACCAATCGAAAAAGTAAAAA
925

RESULT 10
US-09-277-716-5
Sequence 5, Application US/09277716A
Patent No. 6232107
GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: PROLUME, LTD.
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
CURRENT APPLICATION NUMBER: US/09/277,716A
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 60/102,939
EARLIER FILING DATE: 1998-10-01
EARLIER APPLICATION NUMBER: 60/089,367
EARLIER FILING DATE: 1998-06-15
EARLIER APPLICATION NUMBER: 60/079,624
EARLIER FILING DATE: 1998-03-27
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 958
TYPE: DNA
ORGANISM: Acquorea (luminescent jellyfish)
FEATURE:
NAME/KEY: CDS
LOCATION: (115)..(702)
FEATURE:
OTHER INFORMATION: Apoaeguorin-encoding gene
PUBLICATION INFORMATION:

```

PATENT DOCUMENT NUMBER: 5,093,240
PATENT FILING DATE: 1987-10-08
PUBLICATION DATE: 1992-03-03
PUBLICATION INFORMATION:
AUTHORS: Inouye, S.
TITLE: Cloning and sequence analysis of cDNA for the luminescent protein aequorin
JOURNAL: Proc. Natl. Acad. Sci. USA
VOLUME: 82(10)
PAGES: 3154-3158
DATE: 1985-05
US-09-277-716-5

Query Match 11.9%; Score 38.8; DB 4; Length 958;
Best Local Similarity 58.8%; Pred. No. 0.16;
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGTGATAGCTTTTGGCAAACTCTACTTAATCCAGGGTTTCTCTGTACAG 271
DB 812 GGTGATAGTTTGTAAATACGACAGATTAATCGAATGATAGTTTCTTTAATCAA 871
QY 272 TAGATTTCCAAATGTAATACTTAAATATAGTAAGTAAAAA 325
DB 872 CAGAACTTACAAATCGAATAAGTAAAAA 925

RESULT 11
US-08-597-274A-5
Sequence 5, Application US/08597274A
Patent No. 6247995

GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
TITLE OF INVENTION: BIOLUMINESCENT NOVELTY ITEMS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/597,274A
FILING DATE: 02/06/96
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6680-105
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062

TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: Coding Sequence

LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
DOCUMENT NUMBER: 5,093,240
AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)
US-08-597-274A-5

Query Match 11.9%; Score 38.8; DB 4; Length 958;
Best Local Similarity 58.8%; Pred. No. 0.16;
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGTGATAGCTTTTGGCAAACTCTACTTAATCCAGGGTTTCTCTGTACAG 271
DB 812 GGTGATAGTTTGTAAATACGACAGATTAATCGAATGATAGTTTCTTTAATCAA 871
QY 272 TAGATTTCCAAATGTAATACTTAAATATAGTAAGTAAAAA 325
DB 872 CAGAACTTACAAATCGAATAAGTAAAAA 925

RESULT 12
US-08-908-909-5
Sequence 5, Application US/08908909
Patent No. 6416960

GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
TITLE OF INVENTION: DETECTION AND VISUALIZATION OF
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/908,909
FILING DATE: 08-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/023,374
FILING DATE: 08-AUG-1996
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6680-108
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062

TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:


```
OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)
DOCUMENT NUMBER: 5,093,240
US-08-990-103-5

Query Match
Best Local Similarity 11.8%; Score 38.4; DB 4; Length 958;
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GTGATAGCTTTTGTTCGCAAACTCTACTTAATCCATGGGTTTTCCTGTACAG 271
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 812 GTGTGATTTTGTATATAGACAGATTAATGATGATGTTGTTTAAATCAA 871

QY 272 TAGATTTCCAAATGTAATTAACCTTTAATATAAGTAATAAAAAAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 872 CAGAACTTCAAAATCGAAAAGTAAAAAATAAAAAAAAAAAAAAAAAA 925

RESULT 15
US-08-446-855A-1
Sequence 1, Application US/08446855A
Patent No. 5849573
GENERAL INFORMATION:
APPLICANT: Stewart, Thomas S
APPLICANT: Flores, Maria V
APPLICANT: O'Sullivan, William J
TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
TITLE OF INVENTION: phosphatase synthetase II
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: Nixon & Vanderhye PC
STREET: 1100 No. 5849573th Glebe Road, 8th Floor
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,855A
FILING DATE: 06-Jul-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mitchard, Leonard C
REGISTRATION NUMBER: 29,009
REFERENCE/DOCKET NUMBER: 47-80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8920 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic
US-08-446-855A-1

Query Match
Best Local Similarity 11.8%; Score 38.4; DB 2; Length 8920;
Matches 72; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 198 AATATTTCCAAAGAGTGAAGTCTTTTGCGCAAAAGCTCTAATCAATGGGT 257
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8631 AATATTTTGTATATATACAAATVTTTATTTATTCACATCATGTATTAACCAAAATGTT 8690

QY 258 TTTTCTGTACAGTAGATTTTCCAAATGTAATACTTTAATATAAGTAAAAA 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8691 TTTTCAATTTACAAATATTTTATATTTTATATAATTTTATATATAAATAA 8750

QY 318 AAAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8751 AATATATA 8758

RESULT 16
US-09-150-741-1
Sequence 1, Application US/09150741
Patent No. 6183996
GENERAL INFORMATION:
APPLICANT: Stewart et al.
TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
TITLE OF INVENTION: Synthetase II
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/09/150,741
CURRENT FILING DATE: 1998-09-10
EARLIER APPLICATION NUMBER: P6380
EARLIER FILING DATE: 1992-12-16
EARLIER APPLICATION NUMBER: A093/00617
EARLIER FILING DATE: 1993-12-02
EARLIER APPLICATION NUMBER: 08/446,855
EARLIER FILING DATE: 1995-07-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 8920
TYPE: DNA
ORGANISM: Plasmodium falciparum
US-09-150-741-1

Query Match
Best Local Similarity 11.8%; Score 38.4; DB 4; Length 8920;
Matches 72; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 198 AATATTTCCAAAGAGTGAAGTCTTTTGCGCAAAAGCTCTAATCAATGGGT 257
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8631 AATATTTTGTATATATACAAATVTTTATTTATTCACATCATGTATTAACCAAAATGTT 8690

QY 258 TTTTCTGTACAGTAGATTTTCCAAATGTAATACTTTAATATAAGTAAAAA 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8691 TTTTCAATTTACAAATATTTTATATTTTAAATAATTTAATATAAATAA 8750

QY 318 AAAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8751 AATATATA 8758

RESULT 17
US-09-057-762-1
Sequence 1, Application US/09057762
Patent No. 5879909
GENERAL INFORMATION:
APPLICANT: PERL, ANDRAS
TITLE OF INVENTION: HUMAN TRANSGLUTAMINASE: AN AUTOANTIGEN WITH
TITLE OF INVENTION: A FUNCTION IN METABOLISM
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESS: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,762
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/326,119
FILING DATE: 19-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: LIVNAT, SHMUEL
REGISTRATION NUMBER: 33,949
REFERENCE/DOCKET NUMBER: 280932000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 822-0168
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1332 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 57..1064
US-09-057-762-1
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Query Match          11.8%; Score 38.2; DB 2; Length 1332;
Best Local Similarity 61.6%; Pred. No. 0.27;
Matches 61; Conservative 0; Mismatches 38; Indels 0; Gaps 0;
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QY 227 TTTTGGCAAACTACTTAATCCAAATGGCTTTTCCTCTGACAGTAGATTTCGAATG 286
    ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1194 TTATGTAAATTTGGCTAATACATTAAGCAGCAGTCTTTCCTGTGCTTTCAAAA 1253
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 287 TATAACTTTATATTAAGTAAAGTAAAAA 325
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1254 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1292
```

```
RESULT 18
US-08-326-119A-1
; Sequence 1, Application US/08326119A
; Patent No. 6018021
; GENERAL INFORMATION:
; APPLICANT: PERL, ANDRAS
; TITLE OF INVENTION: HUMAN TRANSALDOLASE: AN AUTOANTIGEN WITH
; TITLE OF INVENTION: A FUNCTION IN METABOLISM
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/326,119A
; FILING DATE: 19-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LIVNAT, SHMUEL
; REGISTRATION NUMBER: 33,949
; REFERENCE/DOCKET NUMBER: 280932000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 822-0168
; TELEX: 90-4030
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```
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1332 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 57..1064
US-08-326-119A-1
```

```
Query Match          11.8%; Score 38.2; DB 3; Length 1332;
Best Local Similarity 61.6%; Pred. No. 0.27;
Matches 61; Conservative 0; Mismatches 38; Indels 0; Gaps 0;
```

```
QY 227 TTTTGGCAAACTACTTAATCCAAATGGCTTTTCCTCTGACAGTAGATTTCGAATG 286
    ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1194 TTATGTAAATTTGGCTAATACATTAAGCAGCAGTCTTTCCTGTGCTTTCAAAA 1253
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 287 TATAACTTTATATTAAGTAAAGTAAAAA 325
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1254 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1292
```

RESULT 19

US-08-599-252-79/C

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; Sequence 79, Application US/08599252
; Patent No. 5705343
```

; GENERAL INFORMATION:

; APPLICANT: DRAYNA, DENNIS T.

; APPLICANT: FEDER, JOHN N.

; APPLICANT: GRIFFE, ANDREAS

; APPLICANT: KIMMEL, BRUCE E.

; APPLICANT: THOMAS, WINSTON J.

; APPLICANT: WOLFE, ROGER K.

; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY

; NUMBER OF SEQUENCES: 124

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORRISON & FOERSTER

; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20006-1886

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/599,252

; FILING DATE: 09-FEB-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: MURASHIGE, KATE H.

; REGISTRATION NUMBER: 29,959

; REFERENCE/DOCKET NUMBER: 9053-0001.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 887-1500

; TELEFAX: (202) 887-0763

; TELEX: 90-4030

; INFORMATION FOR SEQ ID NO: 79:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1260 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-08-599-252-79

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Query Match          11.6%; Score 37.6; DB 1; Length 1260;
Best Local Similarity 55.3%; Pred. No. 0.38;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;
```



```

1 ADDRESS: Kell & Weinkauff
2 STREET: 1101 Connecticut Avenue
3 CITY: Washington
4 STATE: D.C.
5 COUNTRY: USA
6 ZIP: 20036
7
8 COMPUTER READABLE FORM:
9 MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb storage
10 COMPUTER: IBM AT-compatible, 80286 processor
11 OPERATING SYSTEM: MS-DOS version 5.0
12 SOFTWARE: Wordperfect version 5.1
13
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/08/684,862
16 FILING DATE:
17 CLASSIFICATION: 435
18 PRIOR APPLICATION DATA:
19 APPLICATION NUMBER:
20 FILING DATE: US/08/361,705
21
22 PRIOR APPLICATION DATA:
23 APPLICATION NUMBER: 07/966,040
24 FILING DATE: 30-DEC-1992
25 APPLICATION NUMBER: PCT/EP91/01361
26 FILING DATE: 19-JUL-1991
27
28 INFORMATION FOR SEQ ID NO: 10:
29 SEQUENCE CHARACTERISTICS:
30 LENGTH: 988 base pairs
31 TYPE: nucleic acid
32 STRANDEDNESS: single
33 TOPOLOGY: linear
34 MOLECULE TYPE: cDNA to mRNA
35 ORIGINAL SOURCE:
36 ORGANISM: Agkistrodon rhodostoma
37 FEATURE:
38 LOCATION: 197 to 904
39 OTHER INFORMATION: the coding region shown in (2)(4)(B)
40 OTHER INFORMATION: codes for the protein of SEQ ID NO: 5
41
42 US-08-684-862-10
43
44 Query Match 11.4%; Score 37; DB 1; Length 988;
45 Best local Similarity 71.0%; Pred. No. 0.51;
46 Matches 49; Conservative 0; Mismatches 20; Indels 0; Gaps 0
47
48 QY 257 TTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAACCTTATATTAAGTAAAAA 316
49 .||||| - ||| - ||||||| - ||| - ||| - |||||||
50 Db 913 TTTTATTTCCAAAGAGAGTTTCCAAAGATTAATAACTAATATGTGTAAAAA 972
51
52 QY 317 AAAAAAAA 325
53 |||||||
54 Db 973 AAAAAAAA 981
55
56 RESULT 24
57 US-09-040-984-75
58 Sequence 75, Application US/09040984
59 Patent No. 6210883
60 GENERAL INFORMATION:
61 APPLICANT: Reed, Steven G.
62 APPLICANT: Wang, TongTong
63 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS
64 TITLE OF INVENTION: OF LUNG CANCER
65 NUMBER OF SEQUENCES: 86
66 CORRESPONDENCE ADDRESS:
67 ADDRESSEE: SEED and BERRY LLP
68 STREET: 6300 Columbia Center, 701 Fifth Avenue
69 CITY: Seattle
70 STATE: WA
71 COUNTRY: USA
72 ZIP: 98104
73
74 COMPUTER READABLE FORM:
75 MEDIUM TYPE: Diskette
76 COMPUTER: IBM Compatible
77 OPERATING SYSTEM: DOS
78 SOFTWARE: Fastseq for Windows version 2.0

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/040.984
FILING DATE: 18-MAR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MAKI, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.456
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-622-4900
TELEFAX: 206-282-6031
TELEX:
INFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-040-984-75

Query Match 11.2% Score 36.4; DB 4; Length 579;
Best Local Similarity 67.1% Pred. No. 0.6; Mismatches 24; Indels 0; Gaps 0;

Matches 49; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
QY 253 TGGGTTTCTCTGTACAGTAGATTTCGAATGTAATACTTAATATAAGTAAAA 312
DB 506 TGATCTTNATTACTTCAGAAATATTTTCGAATAGATATATTTNAAATCCTTAAAA 565
QY 313 AAAAAAAAAAAAAA 325
DB 566 AAAAAAAAAAAAAA 578

RESULT 25
US-09-123-912-75
Sequence 75, Application US/09123912A
Patent No. 6312695
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF LUNG CANCER
FILE REFERENCE: 210121.455C1
CURRENT APPLICATION NUMBER: US/09/123,912A
CURRENT FILING DATE: 1998-07-27
PRIOR APPLICATION NUMBER: 09/040,802
PRIOR FILING DATE: 1998-03-18
NUMBER OF SEQ ID NOS: 114
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 75
LENGTH: 579
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: modified_base
LOCATION: (440)
OTHER INFORMATION: Where n is a, c, g or t
NAME/KEY: modified_base
LOCATION: (513)
OTHER INFORMATION: Where n is a, c, g or t
NAME/KEY: modified_base
LOCATION: (539)
OTHER INFORMATION: Where n is a, c, g or t
NAME/KEY: modified_base
LOCATION: (551)
OTHER INFORMATION: Where n is a, c, g or t
US-09-123-912-75

Query Match 11.2% Score 36.4; DB 4; Length 579;
Best Local Similarity 67.1% Pred. No. 0.6; Mismatches 24; Indels 0; Gaps 0;
Matches 49; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
QY 253 TGGGTTTCTCTGTACAGTAGATTTCGAATGTAATACTTAATATAAGTAAAA 312
DB 506 TGATCTTNATTACTTCAGAAATATTTTCGAATAGATATATTTNAAATCCTTAAAA 565

DB 506 TGATCTTNATTACTTCAGAAATATTTTCGAATAGATATATTTNAAATCCTTAAAA 565
QY 313 AAAAAAAAAAAAAA 325
DB 566 AAAAAAAAAAAAAA 578

RESULT 26
US-09-643-597-75
Sequence 75, Application US/09643597
Patent No. 6426072
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaltanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 75
LENGTH: 579
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1) --(579)
OTHER INFORMATION: n = A,T,C or G
US-09-643-597-75

Query Match 11.2% Score 36.4; DB 4; Length 579;
Best Local Similarity 67.1% Pred. No. 0.6; Mismatches 24; Indels 0; Gaps 0;

Matches 49; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
QY 253 TGGGTTTCTCTGTACAGTAGATTTCGAATGTAATACTTAATATAAGTAAAA 312
DB 506 TGATCTTNATTACTTCAGAAATATTTTCGAATAGATATATTTNAAATCCTTAAAA 565
QY 313 AAAAAAAAAAAAAA 325
DB 566 AAAAAAAAAAAAAA 578

RESULT 27
US-08-690-473-1
Sequence 1, Application US/08690473
Patent No. 5876923
GENERAL INFORMATION:
APPLICANT: Leopardi, Rosario
APPLICANT: Roizman, Bernard
TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICp4 AS AN
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

	Query Match	Similarity	Score	DB	Length
Best Local	Matches	88	Conservative	0	Mismatches 63; Indels 4; Gaps 1
QY	36	GACACACCCCGTCTTCCTCTGTGTCGCCGCTCCAGCGCGCTCTTCCTTGGAAATTGAC	95		
Db	526	GACACACCCCGGCGGAGACGGAGGCGCTCCCGCGCGCGACCGCGGAGAGAGCC	585		
QY	96	GAGG----GGTGTCTCTGGGCACAGCTGGCTGTATAGCGGCTTCATCCAGCGCAGCTTGTG	151		
Db	586	GGGAGCGCGGCTCTCGCGCGCGGACACGCTGGCTCTCTGTGGCTTCACATGCTTAGAGAGCGCTGTG	645		
QY	152	CGTTAGCTCTGTGGGCCCCACGCTGGGCGCTTGAGC	186		

Query Match:	11.1%	Score 36.2;	DB 4;	Length 4257;
Best Local Similarity:	56.8%	Pred. No. 1.4;		
Matches	88;	Conservative	0;	Mismatches 63; Indels 4; Gaps 1.
QY	36	GACCAAGCCCGTCTCTACCTGTGGCCGCCGCTGCACAGGGGGTGGCTTCCTCTGGAAATGAC	95	
Db	526	GACGACGCCCGCGGGAGCGAGGGAGGCCGCCCGCGGGAGACCGAGCGCGCGGAGAGAGCGC	585	
QY	96	GAGC-----GGTGTCTTTGGGGACAGCTGTGCTCTAGCGCCTCCATTCAGAGGCCAGGTTTCC	151	
Db	586	GGGGAGCGCGTCTCGCGCGAGAGGTGGCTCTCTGCTCTCCATGTAGTAGGGAGCGCGTC	645	
QY	152	CGTTAGTCTCTGTGGTCCGCCACCCCTTGGGCGCTGGAGC	186	
Db	646	CGGACGATCCGAGCGCCGACCCCGAGCGGCTCTGCC	690	

RESULT 30
 US-09-187-049-1
 : Sequence 1, Application US/09187049
 : Patent No. 6117666
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: LAMPPA, Gayle K.
 : TITLE OF INVENTION: PLASTID PROTEOLYTIC PROCESSING ENZYME
 : TITLE OF INVENTION: THAT CLEAVES PRECURSOR POLYPEPTIDES
 : NUMBER OF SEQUENCES: 13
 :
 : CORRESPONDENCE ADDRESS:
 :
 : ADDRESSEE: BRINKS HOFER GILSON & LIONE
 :
 : STREET: P.O. Box 10395
 :

```

1 City: Chicago
2 STATE: IL
3 COUNTRY: USA
4 ZIP: 60610
5
6 COMPUTER READABLE FORM:
7 MEDIUM TYPE: Floppy disk
8 COMPUTER: IBM PC compatible
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10 SOFTWARE: Patent In Release #1.0, Version #1.25
11 CURRENT APPLICATION DATA:
12 APPLICATION NUMBER: US/09/187,049
13 FILING DATE:
14 CLASSIFICATION:
15 PRIOR APPLICATION DATA:
16 APPLICATION NUMBER: 08/695,177
17 FILING DATE:
18 ATTORNEY/AGENT INFORMATION:
19 NAME: Martin, Alice O.
20 REGISTRATION NUMBER: 35,601
21 REFERENCE/DOCKET NUMBER: 7814/16
22 TELECOMMUNICATION INFORMATION:
23 TELEPHONE: 312 321-4200
24 TELEFAX: 312 321-4299
25 INFORMATION FOR SEQ ID NO: 1:
26 SEQUENCE CHARACTERISTICS:
27 LENGTH: 4337 base pairs
28 TYPE: nucleic acid
29 STRANDEDNESS: single
30 TOPOLOGY: unknown
31 MOLECULE TYPE: cDNA
32
33 US-09-187-049-1

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Query Match	11.1%	Score 36.2	DB 3	Length 4337
Best Local Similarity	59.0%	Pred. No. 1.5		
Matches	62	Conservative	0	Mismatches 43; Indels 0; Gaps 0;
QY	221	TTTTGCTTTGGCAAAACTCTAATTCATGCAGTGTTC	280	
Dd	4230	TATTGTTTTTGACCAATTTTAAAGCACCCTTTAGATTTCAGTCATCATGAATA	4289	
QY	281	CAAATGTAATAACTTAAATATAAAGTAAAAAAA	325	
Dd	42290	CACATCCCCGATTTATCAAAAAAAAAAAAAAAAAA	4334	

Search completed: May 27, 2003, 08:04:32
Job time : 25.6177 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 07:58:52 ; Search time 67.5501 Seconds

(without alignments)
6353.067 Million cell updates/sec

Title: US-09-825-682a-57

Perfect score: 325
Sequence: 1 aaagagggcgcagggcct.....gtataaaaaaaaaaaaaa 325

Scoring table: IDENTITY NDC

Gapop 10.0 , Gapext 1.0

Searched: 828747 seqs, 660231338 residues

Total number of hits satisfying chosen parameters: 1657494

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

PublishedApplications.NA:*
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2: /cgn2_6/ptodata/2/pubpna/PCIT_NEW_PUB.seq:*
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12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	291.4	89.7	1763	10 US-09-925-302-8	Sequence 8, Appl1
2	285.8	87.9	4797	10 US-09-735-705-134	Sequence 134, App
3	285.8	87.9	4797	10 US-09-850-716A-134	Sequence 134, App
4	285.8	87.9	4797	10 US-09-880-107-9939	Sequence 3939, App
5	285.8	87.9	4797	10 US-09-897-778-134	Sequence 134, App
6	212	65.2	408	9 US-09-918-995-8387	Sequence 8387, App
7	144.4	44.4	492	9 US-09-736-457-1041	Sequence 1041, App
8	144.4	44.4	492	9 US-09-902-941-1041	Sequence 1041, App
9	144.4	44.4	492	9 US-09-849-626-1041	Sequence 1041, App
10	144.4	44.4	492	9 US-10-017-754-1041	Sequence 1041, App
11	120.4	37.0	253	9 US-10-079-623-76	Sequence 76, Appl1
12	44.6	13.7	748	10 US-09-910-943-361	Sequence 361, App
13	42.8	13.2	617	10 US-09-764-877-121	Sequence 121, App
14	42.6	13.1	330	9 US-09-918-995-24997	Sequence 24997, A
15	41.8	12.9	1820	9 US-09-813-153-352	Sequence 35, Appl1
16	41.6	12.8	375	10 US-09-960-352-13618	Sequence 13618, A
17	41.2	12.7	1797	9 US-09-974-879-115	Sequence 115, App
18	41.2	12.7	1797	9 US-09-305-736-116	Sequence 116, App
19	40.6	12.5	400	9 US-09-918-995-36308	Sequence 36308, A

C 20	39.8	12.2	486	9 US-10-060-036-2299	Sequence 2299, Ap
C 21	39.8	12.2	653158	9 US-09-771-208-20	Sequence 20, Appl1
C 22	39.6	12.2	277	10 US-09-960-352-12673	Sequence 12673, A
C 23	39.4	12.1	241	10 US-09-960-352-7904	Sequence 7904, Ap
C 24	38.8	11.9	289	10 US-09-880-107-1117	Sequence 1117, Ap
C 25	38.8	11.9	462	9 US-09-918-995-13712	Sequence 13712, A
C 26	38.8	11.9	958	9 US-10-126-139-5	Sequence 5, Appl1
C 27	38.8	11.9	958	9 US-10-126-798-5	Sequence 5, Appl1
C 28	38.8	11.9	958	9 US-09-808-898-5	Sequence 5, Appl1
C 29	38.8	11.9	958	10 US-09-803-211-5	Sequence 5, Appl1
C 30	38.6	11.9	958	10 US-09-746-485A-5	Sequence 5, Appl1
C 31	38.6	11.9	215	10 US-09-960-352-5093	Sequence 5093, Ap
C 32	38.6	11.9	415	9 US-10-060-036-2438	Sequence 2438, Ap
C 33	38.6	11.9	2455	10 US-09-918-909-25	Sequence 25, Appl1
C 34	38.6	11.9	2509	10 US-09-925-301-540	Sequence 540, App
C 35	38.4	11.8	325	9 US-10-091-483-30	Sequence 30, Appl1
C 36	38.4	11.8	325	9 US-09-764-846-30	Sequence 30, Appl1
C 37	38.4	11.8	621	9 US-10-091-483-105	Sequence 105, App
C 38	38.4	11.8	621	9 US-09-764-846-105	Sequence 105, App
C 39	38.4	11.8	1992	9 US-10-036-542-18	Sequence 18, Appl1
C 40	38.4	11.8	2000	9 US-09-938-842A-3307	Sequence 3307, Ap
C 41	38.2	11.8	1319	10 US-09-960-347-179	Sequence 179, App
C 42	38	11.7	819	9 US-10-202-193-236	Sequence 236, App
C 43	38	11.7	3716	9 US-09-978-295A-210	Sequence 210, App
C 44	38	11.7	3716	9 US-09-978-697-210	Sequence 210, App
C 45	38	11.7	3716	9 US-09-978-192A-210	Sequence 210, App
C 46	38	11.7	3716	9 US-09-978-564A-210	Sequence 210, App
C 47	38	11.7	3716	9 US-09-978-832A-210	Sequence 210, App
C 48	38	11.7	3716	9 US-09-978-189-210	Sequence 210, App
C 49	38	11.7	3716	9 US-09-978-608A-210	Sequence 210, App
C 50	38	11.7	3716	9 US-09-978-191A-210	Sequence 210, App
C 51	38	11.7	3716	9 US-09-978-403A-210	Sequence 210, App
C 52	38	11.7	3716	9 US-09-978-564A-210	Sequence 210, App
C 53	38	11.7	3716	9 US-09-978-585A-210	Sequence 210, App
C 54	38	11.7	3716	9 US-10-017-081A-210	Sequence 210, App
C 55	38	11.7	3716	9 US-09-978-824-210	Sequence 210, App
C 56	38	11.7	3716	9 US-09-981-915A-210	Sequence 210, App
C 57	38	11.7	3716	9 US-09-999-833A-210	Sequence 210, App
C 58	38	11.7	3716	9 US-10-167-749-210	Sequence 210, App
C 59	38	11.7	3716	9 US-09-918-585A-210	Sequence 210, App
C 60	38	11.7	3716	9 US-09-978-423A-210	Sequence 210, App
C 61	38	11.7	3716	9 US-10-013-921A-210	Sequence 210, App
C 62	38	11.7	3716	9 US-09-978-193A-210	Sequence 210, App
C 63	38	11.7	3716	9 US-10-013-929A-210	Sequence 210, App
C 64	38	11.7	3716	9 US-10-016-177A-210	Sequence 210, App
C 65	38	11.7	3716	9 US-09-999-830A-210	Sequence 210, App
C 66	38	11.7	3716	9 US-09-978-757A-210	Sequence 210, App
C 67	37.8	11.6	317	9 US-10-163-866-13	Sequence 13, Appl1
C 68	37.8	11.6	401	10 US-09-960-352-10503	Sequence 10503, A
C 69	37.6	11.6	1300	10 US-09-822-849A-3	Sequence 3, Appl1
C 70	37.6	11.6	214	9 US-10-060-036-2777	Sequence 2777, Ap
C 71	37.6	11.6	291	10 US-09-960-352-1243	Sequence 1243, Ap
C 72	37.4	11.5	368	10 US-09-834-975-47	Sequence 47, Appl1
C 73	37.4	11.5	102	10 US-09-998-598-1903	Sequence 1903, App
C 74	37.4	11.5	444	10 US-09-960-352-1281	Sequence 1281, Ap
C 75	37.4	11.5	1409	10 US-09-925-301-176	Sequence 176, App
C 76	37.4	11.5	1422	9 US-09-798-889-24	Sequence 24, Appl1
C 77	37.4	11.5	2660	9 US-09-925-299-80	Sequence 80, Appl1
C 78	37.4	11.5	2660	10 US-09-925-299-80	Sequence 80, Appl1
C 79	37.2	11.4	2892	9 US-09-892-877-77	Sequence 77, Appl1
C 80	37.2	11.4	1201	9 US-09-883-060-1	Sequence 36, Appl1
C 81	37.2	11.4	2103	10 US-09-954-456-248	Sequence 248, App
C 82	37	11.4	469	10 US-09-954-456-476	Sequence 476, App
C 83	37	11.4	3110	10 US-09-764-877-9912	Sequence 3912, Ap
C 84	37	11.4	3110	10 US-09-764-877-9914	Sequence 3914, Ap
C 85	37	11.4	8066	9 US-09-764-891-9956	Sequence 9856, Ap
C 86	36.8	11.3	402	9 US-10-001-887-23	Sequence 23, Appl1
C 87	36.6	11.3	312	10 US-09-960-352-9315	Sequence 8414, Ap
C 88	36.6	11.3	380	10 US-09-960-352-9335	Sequence 9335, Ap
C 89	36.6	11.3	402	9 US-09-991-936-1222	Sequence 1222, Ap
C 90	36.6	11.3	2900	9 US-09-470-276-1	Sequence 1, Appl1
C 91	36.6	11.3	3084	10 US-09-764-864-99	Sequence 89, Appl1
C 92	36.6	11.3	3490	10 US-09-925-301-44	Sequence 44, Appl1

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93 36.4 11.2 579 10 US-09-735-705-75 Sequence 75, Appl
94 36.4 11.2 579 10 US-09-850-716A-75 Sequence 75, Appl
95 36.4 11.2 579 10 US-09-897-778-75 Sequence 75, Appl
96 36.4 11.2 3098 10 US-09-925-300-693 Sequence 68, Appl
97 36.4 11.2 3299 10 US-09-800-729-68 Sequence 15, Appl
98 36.2 11.1 838 9 US-10-213-880-15 Sequence 77, Appl
99 36.2 11.1 3957 10 US-09-764-853-77 Sequence 1, Appl
100 36.2 11.1 4257 9 US-09-825-288A-1
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ALIGNMENTS

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RESULT 1
US-09-925-302-8
; Sequence 8, Application US/09925302
; Patent No. US20020044941A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05918
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; NUMBER OF SEQ ID NOS: 896
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-302-8

Query Match      89.7%; Score 291.4; DB 10; Length 1763;
Best Local Similarity 99.3%; Pred. No. 1.2e-68;
Matches 303; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 4 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACACGCCCTCTGCTGGGCGCG 63
DB 752 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACACGCCCTCTGCTGGGCGCG 811
QY 64 TCTCCAGGGGGCTGCTCTCTCTGGAATTCAGAGGGTGTCTTGGGAGAGCTGCTCT 123
DB 812 TCTCCAGGGGGCTGCTCTCTCTGGAATTCAGAGGGTGTCTTGGGAGAGCTGCTCT 871
QY 124 GAGCGCTCCATCCAAAGGCGCAGGTCCTCTGCTAGCTCCGCGGCCAGCTGGGCGCTG 183
DB 872 GAGCGCTCCATCCAAAGGCGCAGGTCCTCTGCTAGCTCCGCTGCTGCTGCTG 930
QY 184 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGTCTTTTGGCAAAACTCTAC 243
DB 931 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGTCTTTTGGCAAAACTCTAC 990
QY 244 TTAAATCCAAATGGGTTTCTCTGCTAGACAGTAGATTTTCCAAATGAATAAATTAAATATA 303
DB 991 TTAAATCCAAATGGGTTTCTCTGCTAGACAGTAGATTTTCCAAATGAATAAATTAAATATA 1050
QY 304 AAGTA 308
DB 1051 AAGTA 1055
```

RESULT 2

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US-09-735-705-134
; Sequence 134, Application US/09735705
; Patent No. US20020052329A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
```

```
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Fanger, Neil
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C14
; CURRENT APPLICATION NUMBER: US/09/735,705
; CURRENT FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 419
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 134
; LENGTH: 4797
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(4797)
; OTHER INFORMATION: n = A,T,C or G
US-09-735-705-134
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Query Match      87.9%; Score 285.8; DB 10; Length 4797;
Best Local Similarity 96.1%; Pred. No. 6.3e-67;
Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
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QY 4 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACACGCCCTCTGCTGGGCGCG 63
DB 3765 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACACGCCCTCTGCTGGGCGCG 3824
QY 64 TCTCCAGGGGGCTGCTCTCTCTGGAATTCAGAGGGTGTCTTGGGAGAGCTGCTCT 123
DB 3825 TCTCCAGGGGGCTGCTCTCTCTGGAATTCAGAGGGTGTCTTGGGAGAGCTGCTCT 3884
QY 124 GAGCGCTCCATCCAAAGGCGCAGGTCCTCTGCTAGCTCCGCGGCCAGCTGGGCGCTG 183
DB 3885 GAGCGCTCCATCCAAAGGCGCAGGTCCTCTGCTAGCTCCGCGGCCAGCTGGGCGCTG 3944
QY 184 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGTCTTTTGGCAAAACTCTAC 243
DB 3945 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGTCTTTTGGCAAAACTCTAC 4004
QY 244 TTAAATCCAAATGGGTTTCTCTGCTAGACAGTAGATTTTCCAAATGAATAAATTAAATATA 303
DB 4005 TTAAATCCAAATGGGTTTCTCTGCTAGACAGTAGATTTTCCAAATGAATAAATTAAATATA 4064
QY 304 AAGTA 308
DB 4065 AAGTA 4069
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RESULT 3

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US-09-850-716A-134
; Sequence 134, Application US/09850716A
; Patent No. US2002015139A1
; GENERAL INFORMATION:
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Retler, Marc W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C15
; CURRENT APPLICATION NUMBER: US/09/850,716A
; CURRENT FILING DATE: 2001-05-07
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 134
; LENGTH: 4797
; TYPE: DNA
; ORGANISM: Homo sapien
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D₉ 3765 GAGGCGGCGAGGGGCTGGAGATCTCTGCAAGGCTACGGCCGCTCTCTGTTGGCGCCG 3824

244 TTAATCCATGGCTTTTCTCTCTACAGTACATTTCCAAATGTATAAATTATATA 303

Db 4005 TTAAATCCAAATGGGTTTTCCTGTACAGTAGATTTCCTCAAAATGTAATAACTTTAATAATA 4064
QY 304 AAGTA 308
4065 AAGTA 4069

RESULT 6

US-09-918-995-8387
Sequence 8387, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:

APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 8387
LENGTH: 408
TYPE: DNA
ORGANISM: Homo sapiens
US-09-918-995-8387

Query Match 65.2%; Score 212; DB 9; Length 408;
Best Local Similarity 100.0%; Pred. No. 1.5e-47;
Matches 212; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 GAGGGCGGCAAGGGGCTCGAGATCCTCCTCGACACACGCGCTCCTGCTGGGCGCG 63
Db 196 GAGGGCGGCAAGGGGCTCGAGATCCTCCTCGACACACGCGCTCCTGCTGGGCGCG 255
QY 64 TCTCCAGGGGCTGCTCTCTCTCTGGAATTTGACGAGGGGCTCTTGGGCGAGACTGGCTCT 123
Db 256 TCTCCAGGGGCTGCTCTCTCTCTGGAATTTGACGAGGGGCTCTTGGGCGAGACTGGCTCT 315
QY 124 GAGCGGCTCCATCCAGAGGCTCTCTGCTTACCTCTGTGGCCCGACCTGGGCGCTG 183
Db 316 GAGCGGCTCCATCCAGAGGCTCTCTGCTTACCTCTGTGGCCCGACCTGGGCGCTG 375
QY 184 GCGTGAATCAGAAATATTTTCCAAAGAGTGA 215
Db 376 GCGTGAATCAGAAATATTTTCCAAAGAGTGA 407

RESULT 7

US-09-736-457-1041/C
Sequence 1041, Application US/09736457
Patent No. US20020168637A1
GENERAL INFORMATION:

APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaltanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedrick, Tom
APPLICANT: Carter, Darick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
APPLICANT: Wang, Aijun

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LONG CANCER
FILE REFERENCE: 210121.478C15
CURRENT APPLICATION NUMBER: US/09/736,457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1041

LENGTH: 492
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(492)
OTHER INFORMATION: n = A,T,C or G
US-09-736-457-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;
Best Local Similarity 98.6%; Pred. No. 2.7e-29;
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGGCCCCACCTGGGCGCTGGGATCCAGATAGGATTTTCCAAAGAGTAGATGCT 221
Db 492 TGTGGCCCCACCTGGGCGCTGGGATCCAGATAGGATTTTCCAAAGAGTAGATGCT 433
QY 222 TTGGCTTTGGCAAACTCTACTTAATCCAAATGGGTTTCTCTGTACAGTAGATTTTCC 281
Db 432 TTGGCTTTGGCAAACTCTACTTAATCCAAATGGGTTTCTCTGTACAGTAGATTTTCC 373
QY 282 AAATGTAATAACTTTAATAAAGTA 308
Db 372 AAATGTAATAACTTTAATAAAGTA 346

RESULT 8

US-09-902-941-1041/C
Sequence 1041, Application US/09902941
Patent No. US20020172952A1
GENERAL INFORMATION:

APPLICANT: Henderson, Robert A.
APPLICANT: Wang, Tongtong
APPLICANT: Matanabe, Yoshihiro
APPLICANT: Johnson, Jeffrey C.
APPLICANT: Retter, Marc W.
APPLICANT: Marnetakis, Margarita
APPLICANT: Carter, Darick
APPLICANT: Fanger, Gary R.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Bangur, Chaltanya S.
APPLICANT: McNabb, Andria

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LONG CANCER
FILE REFERENCE: 210121.478C17
CURRENT APPLICATION NUMBER: US/09/902,941
CURRENT FILING DATE: 2001-07-10
NUMBER OF SEQ ID NOS: 2002
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1041
LENGTH: 492
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 473
OTHER INFORMATION: n = A,T,C or G
US-09-902-941-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;
Best Local Similarity 98.6%; Pred. No. 2.7e-29;
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGGCCCCACCTGGGCGCTGGGATCCAGATATTTTCCAAAGAGTAGATGCT 221
Db 492 TGTGGCCCCACCTGGGCGCTGGGATCCAGATATTTTCCAAAGAGTAGATGCT 433
QY 222 TTGGCTTTGGCAAACTCTACTTAATCCAAATGGGTTTCTCTGTACAGTAGATTTTCC 281
Db 432 TTGGCTTTGGCAAACTCTACTTAATCCAAATGGGTTTCTCTGTACAGTAGATTTTCC 373
QY 282 AAATGTAATAACTTTAATAAAGTA 308
Db 372 AAATGTAATAACTTTAATAAAGTA 346


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Db 372 AAATGTATTAACCTTATATTAAGTA 346

RESULT 9
US-09-849-626-1041/c
: Sequence 1041, Application US/09849626
: Publication No. US2002019769A1
: GENERAL INFORMATION:
: APPLICANT: Bangur, Chaitanya
: APPLICANT: Bangur, Gary
: APPLICANT: Wang, Aijun
: APPLICANT: Wang, Tongtong
: APPLICANT: McNeill, Patricia
: APPLICANT: Clapper, Jonathan
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE REFERENCE: 210121.478C16
: CURRENT APPLICATION NUMBER: US/09/849,626
: CURRENT FILING DATE: 2001-05-03
: NUMBER OF SEQ ID NOS: 1926
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1041
: LENGTH: 492
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc-feature
: LOCATION: (1)...(492)
: OTHER INFORMATION: n = A,T,C or G
US-09-849-626-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;
Best Local Similarity 98.6%; Pred. No. 2.7e-29;
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATATTTTCCAAAGATGATAGTCT 221
Db 492 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATATTTTCCAAAGATGATAGTCT 433
QY 222 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTTCC 281
Db 432 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTTCC 373
QY 282 AAATGTATTAACCTTATATTAAGTA 308
Db 372 AAATGTATTAACCTTATATTAAGTA 346

RESULT 10
US-10-017-754-1041/c
: Sequence 1041, Application US/10017754
: Publication No. US20030054363A1
: GENERAL INFORMATION:
: APPLICANT: Henderson, Robert A.
: APPLICANT: Wang, Tongtong
: APPLICANT: Watanabe, Yoshihiro
: APPLICANT: Johnson, Jeffrey C.
: APPLICANT: Retter, Marc W.
: APPLICANT: Marnerakis, Margarita
: APPLICANT: Carter, Darick
: APPLICANT: Fanger, Gary R.
: APPLICANT: Vedvyak, Thomas S.
: APPLICANT: Bangur, Chaitanya S.
: APPLICANT: McNab, Andria
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.478C18
: CURRENT APPLICATION NUMBER: US/10/017,754
: CURRENT FILING DATE: 2001-10-29
: NUMBER OF SEQ ID NOS: 2004
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1041

; LENGTH: 492
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 473
; OTHER INFORMATION: n = A,T,C or G
US-10-017-754-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;
Best Local Similarity 98.6%; Pred. No. 2.7e-29;
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATATTTTCCAAAGATGATAGTCT 221
Db 492 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATATTTTCCAAAGATGATAGTCT 433
QY 222 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTTCC 281
Db 432 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTTCC 373
QY 282 AAATGTATTAACCTTATATTAAGTA 308
Db 372 AAATGTATTAACCTTATATTAAGTA 346

RESULT 11
US-10-079-623-76
: Sequence 76, Application US/10079623
: Patent No. US20020169302A1
: GENERAL INFORMATION:
: APPLICANT: Havukkala, Ilkka J.
: APPLICANT: Glenn, Matthew
: APPLICANT: Grigor, Murray R.
: APPLICANT: Molenaar, Adrian J.
: TITLE OF INVENTION: Compositions isolated from bovine
: FILE REFERENCE: 11000.104A3
: CURRENT APPLICATION NUMBER: US/10/079,623
: CURRENT FILING DATE: 2002-02-19
: NUMBER OF SEQ ID NOS: 370
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 76
: LENGTH: 253
: TYPE: DNA
: ORGANISM: Bovine
US-10-079-623-76

Query Match 37.0%; Score 120.4; DB 9; Length 253;
Best Local Similarity 75.6%; Pred. No. 5.6e-23;
Matches 189; Conservative 0; Mismatches 56; Indels 5; Gaps 3;

QY 77 CTTCCTCTCGGAAATTGACGAGGGGTCTTGGGACAGCTGCTGAGCCCTCCATC 136
Db 4 CTTCCTCTCGGAAATTGACGAGGGGTCTTGGGACAGCTGCTGAGCCCTCCATC 63
QY 137 CAAGCCAGGTTCTCCCTAGCTCCTGTGGCCCAACCTGGGCGCTGGAGTACAG 196
Db 64 GATGACACGAGCTCAGCTTTGATAGCT--CCGTGACCGAGCTGTGGCGCGAATCAG 121
QY 197 AATATTTTCCAAAGAGTACTCTTTTGGTTTGGCAAGAC--TCTACTTATATCAGT 255
Db 122 AATA--TTCCAAAGAGTATAGCTTTTGGTTTGGCAAGAC--TCTACTTATATCAGT 179
QY 256 GTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAACTTAAATTAAGTAAAAA 315
Db 180 GTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAACTTAAATTAAGTAAAGT 239
QY 316 AAAAAAAA 325
Db 240 GAAAAAAA 249
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Query Match	13.78;	Score 44.6;	DB 10;	Length 748;
Best Local Similarity	58.88;	Pred. No. 0.026;		
Matches 77; Conservative	0;	Mismatches 54;	Indels 0;	Gaps 0

RESULT 13
US-09-764-877-121/c
; Sequence 121, Application US/09764877

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Sequence 121, Application us/09764877
Patent No. US20020147140A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005
CURRENT APPLICATION NUMBER: US/09/764,877
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PAlm of file wrapper
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 121
LENGTH: 617
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/REF: SITE
LOCATION: (317)
OTHER INFORMATION: n equals a,t,g, or c
US-09-764-877-121

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Query Match 13.2%; Score 42.8; DB 10; Length 617;
Best Local Similarity 51.6%; Pred. No. 0.072;
Matches 98; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

[illegible]

RESULT 14
US-09-918-995-24997

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? Sequence 24997, Application US/09918995
? Publication No. US20030073623A1
? GENERAL INFORMATION:
? APPLICANT: Hyseq, Inc.
? TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
? TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
? FILE REFERENCE: 20411-756
? CURRENT APPLICATION NUMBER: US/09/918,995
? CURRENT FILING DATE: 2001-07-30
? PRIOR APPLICATION NUMBER: US/09/235,076
? PRIOR FILING DATE: 1999-01-20
? NUMBER OF SEQ. ID NOS: 38054
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ. ID NO 24997
?
? LENGTH: 330
?
? TYPE: DNA
?
? ORGANISM: Homo sapiens
?
? US-09-918-995-24997

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Query Match	13.18;	Score 42.6;	DB 9;	Length 330;
Best Local Similarity	58.18;	Pred. No. 0.06;		
Matches 75; Conservative	0;	Mismatches 54;	Indels 0;	Gaps 0

QY	197	AATATTTCCTCAAGGAGTATGCTTTTGCGTAAGAAGCTACTACTATGCACATGGG	250
Dd	201	AATCCATGTCTCTCCTCCAAAGTCCTATGTGACAGSAGANATCTTCTGCATTTTATAT	260
QY	257	TTTTCTCTGTGACAGTAGATTTTCCAAATGAATAAATCTTATATTAAGTAAAAAAA	310
Dd	261	GTTTACTTTAAATCCAAGTAGTCTATTTGTATAAATTTTTTAAAAATCTAAAAAAA	320
QY	317	AAAAAAAAA	325
Dd	321	AAAAAAAAA	329

RESULT 15
 US-09-813-153-35
 ? Sequence 35, Application US/09813153
 ? Publication No. US20030045459A1
 ? GENERAL INFORMATION:
 ? APPLICANT: Rosen et al.
 ? TITLE OF INVENTION: 67 Human secreted proteins
 ? FILE REFERENCE: P2023
 ? CURRENT APPLICATION NUMBER: US/09/813, 153
 ? CURRENT FILING DATE: 2001-03-21
 ? PRIOR APPLICATION NUMBER: US/09/363, 044
 ? PRIOR FILING DATE: 1999-07-29
 ? PRIOR APPLICATION NUMBER: 60/0703, 160
 ? PRIOR FILING DATE: 1998-01-30
 ? PRIOR APPLICATION NUMBER: 60/073, 159
 ? PRIOR FILING DATE: 1998-01-30
 ? PRIOR APPLICATION NUMBER: 60/073, 165
 ? PRIOR FILING DATE: 1998-01-30
 ? PRIOR APPLICATION NUMBER: 60/073, 164
 ? PRIOR FILING DATE: 1998-01-30
 ? PRIOR APPLICATION NUMBER: 60/073, 167
 ? PRIOR FILING DATE: 1998-01-30
 ? PRIOR APPLICATION NUMBER: 60/073, 162
 ? PRIOR FILING DATE: 1998-01-30

Query Match	12.5%;	Score 40.6;	DB 9;	Length 400;
Best Local Similarity	57.5%;	Pred. No. 0.23;		

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: RESULT 21
: US-09-771-208-20
: Sequence 20, Application US/09771208
: Patent No. US2002015564A1
: GENERAL INFORMATION:
: APPLICANT: MEDRANO, JUAN
: APPLICANT: BRADFORD, ERIC
: APPLICANT: HORVAT, SIMON
: TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GENOME
: FILE REFERENCE: 4079-923710US
: CURRENT APPLICATION NUMBER: US/09/771,208
: CURRENT FILING DATE: 2001-01-26
: PRIOR APPLICATION NUMBER: US 08/999,477
: PRIOR FILING DATE: 1997-12-29
: NUMBER OF SEQ ID NOS: 20
: SOFTWARE: Patenta version 3.0
: SEQ ID NO 20

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LENGTH: 659158
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: misc-feature
LOCATION: (123459)..(123478)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (602466)..(602485)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (546998)..(547017)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (494715)..(494814)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (390986)..(391005)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (346860)..(346823)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (317174)..(317193)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (280353)..(280373)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (271829)..(271848)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (183872)..(183891)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (170625)..(170645)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (132680)..(132700)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
OTHER INFORMATION: n is a, c, g, or t
US-09-771-208-20

Query Match          12.2%; Score 39.8; DB 9; Length 659158;
Best Local Similarity 47.1%; Pred. No. 14;
Matches 122; Conservative 0; Mismatches 137; Indels 0; Gaps 0;

QY 63 GTCCTCAGGGGCTGCTTCCTCGTAATTTGACGAGGGGTGCTTGGGCAAGCTGGCTC 122
DB 39253 GTTTGAAGAGGTATATTTGAGGACAGGCTCCAGGCTGGGGGTGAGTAAAGCTG 39312
QY 123 TGAGCGCTCATCCAGAGCCAGGTTCTCCGTTAGCTCTGTGGCCGCCACCTGGGCCCT 182
DB 39313 TGAATGAGCTTTGGCAAGATGCTCCCTAGCTAAAGTCTCTCTCTAAGCTGAGTAC 39372
QY 183 GGGCTGGAATCAGGATATTTTCCAAAGAGTGAATCTTTTGGTTCCTTTGGAAACTCTA 242
DB 39373 GAGTTGATCCCGGAATCCATGCTGTGGAGGAGACACTAATGCTCTCTGGGCCCA 39432
QY 243 CTTAATCCATGGGTTTCTCTCTACAGTAGATTTTCCAAATGTAATTAATTAAT 302
DB 39433 CATGGGACGAGGCTACTGAGTGTACAGCCCATGTCCTTACAGAAAGAAAGTCAATGT 39492
QY 303 AAAGTAAAAAAGAAAAA 321
DB 39493 AATTTAAAAAAGAAAAA 39511
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RESULT 22
US-09-960-352-12673/c
; Sequence 12673, Application US/09960352
; Patent No. US20020137139A1

```
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960.352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 12673
LENGTH: 277
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 54-LIB3058-039-Q1-K1-F10
US-09-960-352-12673

Query Match          12.2%; Score 39.6; DB 10; Length 277;
Best Local Similarity 56.0%; Pred. No. 0.35;
Matches 75; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 192 TCAGGAATATTTCCAAAGAGTATGCTTTGCTTTGGCAAACTCTACTTAATCA 251
DB 219 TCAGGAATATTTTCATTTTAAATTTTCTTTTAAATTTTAAATTTTAAATTTT 160
QY 252 ATGGGTTTCTCTCTGACGTGATTTTCCAAATGTAATTAATTAATTAATTAAT 311
DB 159 TTTTCTTTTCTTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTT 100
QY 312 AAAAAAATTTTAAAAA 325
DB 99 AAAAAAATTTTAAAAA 86
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RESULT 23
US-09-960-352-7904/c
; Sequence 7904, Application US/09960352
; Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960.352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 7904
LENGTH: 241
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 34-LIB3057-019-Q1-K1-A10
US-09-960-352-7904

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Query Match          12.1%; Score 39.4; DB 10; Length 241;
Best Local Similarity 67.9%; Pred. No. 0.37;
Matches 55; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

QY 245 TAATCCATGGGTTTCTCTCTGACGTGATTTTCCAAATGTAATTAATTAATTA 304
DB 211 TAATGGAATTAATGAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAA 152
QY 305 AGTAAAAAATTTTAAAAA 325
DB 151 AATTAATAAATTTTAAAAA 131
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RESULT 24
US-09-880-107-1117/c
; Sequence 1117, Application US/09880107

[illegible]

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? NAME/KEY: Coding Sequence
? LOCATION: 115...702
? OTHER INFORMATION: apoaequorin-encoding gene
? PUBLICATION INFORMATION:
? AUTHORS: Itouye et al.
? JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
? VOLUME: 82
? PAGES: 3154-3158
? DATE: (1985)
? DOCUMENT NUMBER: 5 093 240
? SEQUENCE DESCRIPTION: SHD ID NO: 5
US-10-126-139-5

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RESULT 29
US-09-803-211-5

Qy 272 TAGATTTCCAAATGTATPAACTTTAAATATAAGTAAAAA 325
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Db 872 CAGAACTTACAAATCGAAAAAGTAAAAA 925
||| ||||| ||| ||| ||||| |||||

Search completed: May 27, 2003, 09:31:44
Job time : 68.5501 secs